

Medicare Hospital

INFORMATION

Report

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MEDICARE HOSPITAL INFORMATION

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Volume 38

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OKLAHOMA

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LOUIS W. SULLIVAN, M.D.  
*Secretary*  
U.S. Department of Health and Human Services

WILLIAM TOBY  
*Acting Administrator*  
Health Care Financing Administration

# STATES BY VOLUME

| VOL | STATE                | VOL | STATE                |
|-----|----------------------|-----|----------------------|
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| 2   | ALASKA               | 29  | NEBRASKA             |
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## FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.



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# INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.



## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.



## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category “All Causes.” The eight medical condition and nine surgical procedure categories are subgroupings drawn from the “All Causes” selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does not represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the “All Causes” category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.

### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes ("---") are placed in the SD column.



## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be



missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

| <u>FI No.</u> | <u>FI Name</u>         | <u>Dates</u>        |
|---------------|------------------------|---------------------|
| 00030         | Arizona Blue Cross     | 10/01/86 — 12/31/88 |
| 00080         | Maryland Blue Cross/DC | 06/01/87 — 09/30/87 |
| 00190         | Maryland Blue Cross    | 06/22/87 — 12/31/88 |
| 00400         | Texas Blue Cross       | 12/07/87 — 12/31/88 |

## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for "All Causes" consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?



- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be “sicker” than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.



*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

**Total beds (#)** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

**Occupancy rate (percent)** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

**Ownership/control** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

**Medicare discharges** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)



**Case mix index (CMI)** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

## **Staffing (all AHA counts are as of 9/30/90)**

**Total number of physicians** — Total active and associate medical staff.

**Percent of physicians who are board-certified specialists** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

**Medical residents/interns** — Full-time equivalent (FTE) medical residents or interns.

**Registered nurses** — Full-time equivalent (FTE) registered nurses.

**Licensed practical nurses** — Full-time equivalent (FTE) licensed practical nurses.

## **Specialty Services**

**Burn Unit** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

**Cardiac Intensive Care** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,



open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

***Comprehensive Geriatric*** — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

***Hospice Care*** — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

***Medical/Surgical Intensive Care*** — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called "intensive care unit" in OSCAR.

***Organ/Tissue Transplant*** — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

***Other Intensive Care*** — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

***Trauma Center*** — Provides emergency and specialized intensive care to critically injured patients.

## Other Specialty/Hospital-Based Services

***Alcohol/Drug*** — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

***Rehabilitation*** — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

***Psychiatric*** — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

***Medicare Swing Beds*** — The hospital is certified by Medicare to provide “swing bed” services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## *OSCAR Definitions (except for CMI)*

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## Profile

***Total beds (#)*** — Total number of operational beds eligible for Medicare payment.

***Ownership/control*** — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

***Case mix index (CMI)*** — See definition shown in AHA “Profile” section.

## Staffing

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.



# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.



The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.



Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

## ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1$ ,  $V_2$ ,  $V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) M_2(\hat{\Theta})$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left( \text{Observed mortality} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital



with 300 cases in the "All Causes" category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the "All Causes" category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the statistical meaningfulness of the difference between the observed and the predicted mortality rates.



To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

## HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207  
Telephone: (410) 597-5151



# Table 1

## DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

### CONDITION/PROCEDURE

### ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Heart Disorders/Procedures

Acute Myocardial Infarction  
(AMI)

All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

*Note: For code 410 a 5th digit was added on October 1, 1989.*

Congestive Heart Failure  
(CHF)

398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)

Angioplasty  
(ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

*Note: Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

Coronary Artery Bypass Graft  
(CABG)

All of 36.1(P) and not Angioplasty (see above)

Pacemaker Insertion, Initial  
(PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

*Note: Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*



**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Pulmonary Disorders****Pneumonia/Influenza  
(PNU)**

All of 480, all of 481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)

**Chronic Obstructive Pulmonary  
(COPD)**

All of 491, all of 492, all of 494, Disease all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some cases from 799.1 were put into codes 518.81 and 518.82.*

**Cerebrovascular Disorders/Procedures****Transient Cerebral Ischemia  
(TCI)**

433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy at the time of admission—38.12(P)

**Stroke  
(STK)**

431, 434 through 434.9, 436 (all D)

**Carotid Endarterectomy  
(ENDART)**

38.12 (P) with 433.1 (D); 433.3 (D) or 435(D) as a principal diagnosis

**Musculoskeletal Disorders/Procedures****Fracture of Neck of Femur  
(FXHIP)**

All of 820 (D)

**Hip Replacement/Revision  
(HIPREP)**

81.5, 81.6 (exclude 81.69) (all P). On 10/1/89 code 81.51 (P) through 81.53 (P) with same diagnoses.

**Open Reduction of Fractured Femur  
(OPRDUX)**

79.35(P) on condition of 820 (D) as principal diagnosis

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**

Prostatectomy  
(PROS) 60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS) 68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**

Cholecystectomy  
(CHOLOTMY) 51.22 (P)

**Sepsis**

Sepsis 003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

**Table 2**  
**COMORBIDITY CONDITIONS**  
(all are D codes)

| COMORBIDITY                    | ICD-9-CM CODES                                                                                   |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                                 |
| Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                             |
| Chronic liver disease          | 571-572.8                                                                                        |
| Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11,<br>403.91, 404.02, 404.03, 404.12, 404.13,<br>404.92, 404.93 |
| Chronic diabetes               | 250.01, 250.1-250.91                                                                             |
| Chronic pulmonary disease      | 491-493.91, 496                                                                                  |
| Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                             |



# Table 3

## EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

### Demographics

SXFM<sup>a</sup>                      An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP   if SXFM = 1, 0 otherwise

AGEML = AGESP   if SXFM = 0, 0 otherwise

where

$$AGESP = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

### Comorbidities

### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

|     |                                |                                                                                            |
|-----|--------------------------------|--------------------------------------------------------------------------------------------|
| CCA | Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| CCV | Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| CLV | Chronic liver disease          | 571-572.8                                                                                  |
| CRN | Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| CDI | Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| COP | Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| CCE | Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

## Co Occurrence of Comorbidities

|         |                                       |
|---------|---------------------------------------|
| COP_CCV | 1 if COP = 1 and CCV = 1, 0 otherwise |
| CCA_CCV | 1 if CCA = 1 and CCV = 1, 0 otherwise |
| COP_CCA | 1 if COP = 1 and CCA = 1, 0 otherwise |
| CCE_CCV | 1 if CCE = 1 and CCV = 1, 0 otherwise |
| CRN_CCV | 1 if CRN = 1 and CCV = 1, 0 otherwise |

## Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

|       |                                                   |
|-------|---------------------------------------------------|
| PREF  | Patient referred by personal or HMO physician     |
| TRSNF | Patient transferred from skilled nursing facility |
| ELCT  | Patient admitted for elective procedure           |
| EMRG  | Patient admitted for emergency                    |

## Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

## Previous Hospitalizations

|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| P_RISK1 | Number at 1st risk level with 3 or more set to 3                                                            |
| P_RISK2 | Number at 2nd risk level with 3 or more set to 3                                                            |
| P_RISK3 | Number at 3rd risk level with 3 or more set to 3                                                            |
| P_RISK4 | Number at 4th risk level with 4 or more set to 4                                                            |
| P_RISK5 | Number at 5th risk level with 3 or more set to 3                                                            |
| F(T)    | Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise |

## Time Trend

|        |                                                                                   |
|--------|-----------------------------------------------------------------------------------|
| FLAG89 | 1 if discharge in FY1989, 0 otherwise                                             |
| FLAG90 | 1 if discharge in FY1990, 0 otherwise                                             |
| INYEAR | Difference between current admission date and April 1 of fiscal year of discharge |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1990

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2645                      | 0.45    | 0.88 | 1.04 | 1.23 | 1.72  | 0.56    | 0.90 | 1.03 | 1.17 | 1.54  | 0.61     | 0.90 | 1.02 | 1.15 | 1.46  |
| OVERALL( >= 750 CASES)   | 2684                      | 0.73    | 0.91 | 0.99 | 1.09 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.28  | 0.82     | 0.94 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1405                      | 0.54    | 0.80 | 0.95 | 1.11 | 1.42  | 0.62    | 0.86 | 0.99 | 1.14 | 1.44  | 0.63     | 0.86 | 0.99 | 1.13 | 1.39  |
| CHF                      | 2335                      | 0.43    | 0.79 | 0.98 | 1.17 | 1.64  | 0.60    | 0.85 | 0.99 | 1.13 | 1.49  | 0.66     | 0.89 | 1.00 | 1.13 | 1.41  |
| PNEUMONIA/INFLUENZA      | 2428                      | 0.41    | 0.78 | 0.97 | 1.18 | 1.68  | 0.53    | 0.84 | 1.00 | 1.17 | 1.55  | 0.57     | 0.86 | 1.01 | 1.16 | 1.50  |
| COPD                     | 435                       | 0.00    | 0.63 | 0.97 | 1.34 | 2.06  | 0.30    | 0.78 | 1.02 | 1.26 | 1.74  | 0.40     | 0.82 | 1.01 | 1.24 | 1.69  |
| TRANS. CEREBRAL ISCHEMIA | 404                       | 0.00    | 0.00 | 0.83 | 1.34 | 3.20  | 0.00    | 0.48 | 0.85 | 1.31 | 2.27  | 0.21     | 0.60 | 0.90 | 1.21 | 2.05  |
| STROKE                   | 1789                      | 0.53    | 0.79 | 0.95 | 1.13 | 1.56  | 0.61    | 0.84 | 0.98 | 1.13 | 1.47  | 0.65     | 0.87 | 0.99 | 1.12 | 1.42  |
| HIP FRACTURE             | 1199                      | 0.21    | 0.67 | 0.93 | 1.27 | 2.10  | 0.40    | 0.76 | 0.94 | 1.19 | 1.80  | 0.47     | 0.78 | 0.97 | 1.16 | 1.64  |
| SEPSIS                   | 254                       | 0.51    | 0.79 | 0.96 | 1.12 | 1.50  | 0.65    | 0.86 | 0.99 | 1.13 | 1.47  | 0.69     | 0.89 | 1.01 | 1.15 | 1.44  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 425                       | 0.00    | 0.49 | 0.89 | 1.33 | 2.66  | 0.00    | 0.60 | 0.93 | 1.36 | 2.34  | 0.00     | 0.63 | 0.97 | 1.34 | 2.14  |
| CABG                     | 556                       | 0.20    | 0.68 | 1.03 | 1.39 | 2.45  | 0.28    | 0.73 | 1.00 | 1.32 | 2.09  | 0.28     | 0.73 | 1.01 | 1.30 | 2.10  |
| PACEMAKER                | 112                       | 0.00    | 0.41 | 0.72 | 1.37 | 3.25  | 0.20    | 0.61 | 0.90 | 1.21 | 2.17  | 0.21     | 0.65 | 0.84 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 73                        | 0.00    | 0.00 | 0.85 | 1.33 | 2.90  | 0.00    | 0.14 | 0.74 | 1.28 | 2.43  | 0.00     | 0.42 | 0.86 | 1.38 | 2.86  |
| HIP REPLACEMENT          | 763                       | 0.00    | 0.53 | 0.94 | 1.44 | 2.77  | 0.19    | 0.67 | 0.96 | 1.31 | 2.12  | 0.26     | 0.71 | 0.94 | 1.26 | 1.91  |
| REDUCT. OF HIP FRACTURE  | 276                       | 0.00    | 0.56 | 0.86 | 1.22 | 2.05  | 0.31    | 0.68 | 0.92 | 1.19 | 1.76  | 0.38     | 0.77 | 0.96 | 1.12 | 1.58  |
| PROSTATECTOMY            | 1576                      | 0.00    | 0.00 | 0.73 | 1.57 | 3.56  | 0.00    | 0.49 | 0.91 | 1.40 | 2.63  | 0.00     | 0.57 | 0.92 | 1.29 | 2.21  |
| CHOLECYSTECTOMY          | 714                       | 0.00    | 0.49 | 0.95 | 1.54 | 2.68  | 0.00    | 0.62 | 0.93 | 1.37 | 2.22  | 0.22     | 0.67 | 0.98 | 1.27 | 1.93  |
| HYSTERECTOMY             | 113                       | 0.00    | 0.00 | 0.00 | 2.00 | 6.69  | 0.00    | 0.00 | 0.76 | 1.70 | 3.59  | 0.00     | 0.24 | 0.75 | 1.27 | 2.91  |



TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2746                      | 0.50    | 0.87 | 1.04 | 1.23 | 1.73  | 0.58    | 0.89 | 1.03 | 1.17 | 1.54  | 0.61     | 0.89 | 1.01 | 1.14 | 1.44  |
| OVERALL( >= 750 CASES)   | 2669                      | 0.71    | 0.90 | 1.00 | 1.09 | 1.35  | 0.79    | 0.94 | 1.01 | 1.08 | 1.28  | 0.82     | 0.95 | 1.01 | 1.07 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1412                      | 0.53    | 0.81 | 0.96 | 1.12 | 1.47  | 0.59    | 0.86 | 1.01 | 1.15 | 1.47  | 0.63     | 0.87 | 1.00 | 1.14 | 1.43  |
| CHF                      | 2293                      | 0.47    | 0.80 | 0.97 | 1.18 | 1.69  | 0.58    | 0.86 | 1.00 | 1.14 | 1.48  | 0.66     | 0.89 | 1.02 | 1.14 | 1.40  |
| PNEUMONIA/INFLUENZA      | 2179                      | 0.45    | 0.77 | 0.97 | 1.19 | 1.67  | 0.54    | 0.85 | 1.01 | 1.18 | 1.55  | 0.60     | 0.86 | 1.02 | 1.18 | 1.51  |
| COPD                     | 324                       | 0.21    | 0.68 | 0.99 | 1.32 | 2.13  | 0.44    | 0.78 | 1.04 | 1.27 | 1.91  | 0.49     | 0.84 | 1.04 | 1.24 | 1.66  |
| TRANS. CEREBRAL ISCHEMIA | 420                       | 0.00    | 0.00 | 0.79 | 1.41 | 3.26  | 0.00    | 0.46 | 0.88 | 1.33 | 2.36  | 0.18     | 0.60 | 0.92 | 1.25 | 1.97  |
| STROKE                   | 1728                      | 0.53    | 0.80 | 0.95 | 1.12 | 1.56  | 0.62    | 0.85 | 0.97 | 1.11 | 1.46  | 0.67     | 0.88 | 0.99 | 1.13 | 1.40  |
| HIP FRACTURE             | 1126                      | 0.24    | 0.67 | 0.95 | 1.30 | 2.04  | 0.39    | 0.75 | 0.98 | 1.21 | 1.71  | 0.46     | 0.78 | 0.97 | 1.18 | 1.59  |
| SEPSIS                   | 174                       | 0.52    | 0.79 | 0.94 | 1.10 | 1.52  | 0.63    | 0.88 | 1.02 | 1.15 | 1.46  | 0.68     | 0.93 | 1.05 | 1.16 | 1.43  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 370                       | 0.00    | 0.46 | 0.84 | 1.35 | 2.55  | 0.00    | 0.55 | 0.88 | 1.33 | 2.52  | 0.00     | 0.61 | 0.94 | 1.32 | 2.44  |
| CABG                     | 501                       | 0.21    | 0.65 | 1.00 | 1.47 | 2.57  | 0.23    | 0.69 | 1.00 | 1.33 | 2.29  | 0.32     | 0.74 | 1.01 | 1.33 | 2.21  |
| PACEMAKER                | 91                        | 0.00    | 0.52 | 0.74 | 1.12 | 2.31  | 0.00    | 0.56 | 0.83 | 1.15 | 2.14  | 0.20     | 0.68 | 0.81 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 55                        | 0.00    | 0.00 | 0.82 | 1.51 | 5.01  | 0.00    | 0.47 | 0.86 | 1.31 | 4.00  | 0.00     | 0.43 | 0.85 | 1.28 | 3.12  |
| HIP REPLACEMENT          | 686                       | 0.00    | 0.52 | 0.92 | 1.44 | 2.46  | 0.00    | 0.65 | 0.94 | 1.27 | 1.95  | 0.21     | 0.67 | 0.94 | 1.19 | 1.75  |
| REDUCT. OF HIP FRACTURE  | 246                       | 0.19    | 0.57 | 0.91 | 1.23 | 1.96  | 0.31    | 0.71 | 0.96 | 1.19 | 1.74  | 0.41     | 0.78 | 0.96 | 1.13 | 1.53  |
| PROSTATECTOMY            | 1570                      | 0.00    | 0.00 | 0.67 | 1.50 | 3.46  | 0.00    | 0.47 | 0.86 | 1.36 | 2.67  | 0.00     | 0.58 | 0.93 | 1.28 | 2.15  |
| CHOLECYSTECTOMY          | 680                       | 0.00    | 0.53 | 0.94 | 1.53 | 2.90  | 0.00    | 0.62 | 0.97 | 1.36 | 2.15  | 0.22     | 0.66 | 0.95 | 1.26 | 1.98  |
| HYSTERECTOMY             | 101                       | 0.00    | 0.00 | 0.00 | 1.80 | 5.44  | 0.00    | 0.00 | 0.78 | 1.60 | 4.21  | 0.00     | 0.00 | 0.91 | 1.38 | 2.99  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1988

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2838                      | 0.46    | 0.89 | 1.05 | 1.23 | 1.75  | 0.54    | 0.90 | 1.03 | 1.16 | 1.57  | 0.59     | 0.90 | 1.02 | 1.14 | 1.45  |
| OVERALL( >= 750 CASES)   | 2693                      | 0.73    | 0.90 | 1.00 | 1.10 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.27  | 0.82     | 0.95 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1414                      | 0.56    | 0.82 | 0.96 | 1.12 | 1.41  | 0.63    | 0.87 | 1.01 | 1.14 | 1.42  | 0.65     | 0.89 | 1.00 | 1.13 | 1.39  |
| CHF                      | 2246                      | 0.45    | 0.79 | 0.97 | 1.18 | 1.61  | 0.60    | 0.86 | 1.00 | 1.14 | 1.43  | 0.68     | 0.90 | 1.02 | 1.13 | 1.37  |
| PNEUMONIA/INFLUENZA      | 2069                      | 0.44    | 0.79 | 0.97 | 1.17 | 1.68  | 0.57    | 0.85 | 1.01 | 1.17 | 1.59  | 0.61     | 0.87 | 1.01 | 1.16 | 1.53  |
| COPD                     | 310                       | 0.21    | 0.67 | 0.92 | 1.30 | 2.17  | 0.39    | 0.79 | 0.98 | 1.20 | 1.81  | 0.51     | 0.82 | 0.99 | 1.19 | 1.59  |
| TRANS. CEREBRAL ISCHEMIA | 495                       | 0.00    | 0.00 | 0.84 | 1.48 | 2.94  | 0.00    | 0.48 | 0.92 | 1.39 | 2.28  | 0.21     | 0.60 | 0.92 | 1.27 | 1.92  |
| STROKE                   | 1726                      | 0.51    | 0.79 | 0.95 | 1.12 | 1.56  | 0.60    | 0.84 | 0.98 | 1.13 | 1.44  | 0.64     | 0.88 | 1.00 | 1.13 | 1.42  |
| HIP FRACTURE             | 1119                      | 0.24    | 0.65 | 0.96 | 1.27 | 2.07  | 0.40    | 0.78 | 0.98 | 1.21 | 1.77  | 0.47     | 0.80 | 0.98 | 1.17 | 1.64  |
| SEPSIS                   | 133                       | 0.58    | 0.77 | 0.92 | 1.08 | 1.64  | 0.56    | 0.86 | 1.00 | 1.13 | 1.54  | 0.67     | 0.88 | 1.02 | 1.14 | 1.53  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 297                       | 0.00    | 0.50 | 0.87 | 1.35 | 2.60  | 0.00    | 0.59 | 0.91 | 1.34 | 2.50  | 0.00     | 0.65 | 0.95 | 1.31 | 2.25  |
| CABG                     | 478                       | 0.21    | 0.68 | 0.98 | 1.39 | 2.40  | 0.32    | 0.73 | 1.00 | 1.36 | 2.12  | 0.38     | 0.75 | 1.01 | 1.31 | 2.04  |
| PACEMAKER                | 83                        | 0.00    | 0.34 | 0.65 | 1.04 | 1.75  | 0.01    | 0.54 | 0.85 | 1.03 | 1.70  | 0.23     | 0.69 | 0.87 | 1.10 | 1.57  |
| CAROTID ENDARTERECTOMY   | 69                        | 0.00    | 0.00 | 0.60 | 1.23 | 3.30  | 0.00    | 0.33 | 0.62 | 1.09 | 2.50  | 0.00     | 0.44 | 0.68 | 1.16 | 1.87  |
| HIP REPLACEMENT          | 670                       | 0.00    | 0.49 | 0.95 | 1.40 | 2.65  | 0.00    | 0.66 | 1.01 | 1.31 | 2.15  | 0.24     | 0.70 | 0.96 | 1.24 | 1.87  |
| REDUCT. OF HIP FRACTURE  | 259                       | 0.00    | 0.61 | 0.91 | 1.26 | 2.16  | 0.38    | 0.74 | 0.96 | 1.21 | 1.94  | 0.44     | 0.77 | 0.96 | 1.16 | 1.79  |
| PROSTATECTOMY            | 1619                      | 0.00    | 0.00 | 0.78 | 1.53 | 3.69  | 0.00    | 0.54 | 0.92 | 1.39 | 2.57  | 0.00     | 0.61 | 0.93 | 1.30 | 2.21  |
| CHOLECYSTECTOMY          | 642                       | 0.00    | 0.50 | 0.96 | 1.44 | 3.04  | 0.00    | 0.61 | 0.96 | 1.36 | 2.26  | 0.25     | 0.66 | 0.96 | 1.27 | 2.01  |
| HYSTERECTOMY             | 90                        | 0.00    | 0.00 | 0.00 | 1.57 | 5.00  | 0.00    | 0.00 | 0.68 | 1.43 | 2.83  | 0.00     | 0.28 | 0.67 | 1.15 | 2.88  |

**TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS**  
(n is the number of cases at your hospital and p is the predicted mortality rate)

| p | n    | 99 % Prediction Interval |      |      |      |      | 95 % Prediction Interval |      |      |      |      | 75 % Prediction Interval |      |      |      |      |
|---|------|--------------------------|------|------|------|------|--------------------------|------|------|------|------|--------------------------|------|------|------|------|
|   |      | Factor for Upper Bound   |      |      |      |      | Factor for Upper Bound   |      |      |      |      | Factor for Upper Bound   |      |      |      |      |
|   |      | 1%                       | 5%   | 10%  | 20%  | 40%  | 1%                       | 5%   | 10%  | 20%  | 40%  | 1%                       | 5%   | 10%  | 20%  | 40%  |
|   | 25   | 2.95                     | 2.73 | 2.68 | 2.63 | 2.59 | 2.15                     | 2.04 | 2.01 | 1.99 | 1.97 | 1.17                     | 1.16 | 1.16 | 1.15 | 1.15 |
|   | 50   | 2.76                     | 2.65 | 2.63 | 2.60 | 2.58 | 2.05                     | 2.00 | 1.99 | 1.97 | 1.96 | 1.16                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 75   | 2.70                     | 2.63 | 2.61 | 2.59 | 2.58 | 2.02                     | 1.99 | 1.98 | 1.97 | 1.96 | 1.16                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 100  | 2.67                     | 2.61 | 2.60 | 2.59 | 2.58 | 2.01                     | 1.98 | 1.97 | 1.97 | 1.96 | 1.16                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 150  | 2.64                     | 2.60 | 2.59 | 2.59 | 2.58 | 1.99                     | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 200  | 2.62                     | 2.60 | 2.59 | 2.58 | 2.58 | 1.98                     | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 300  | 2.61                     | 2.59 | 2.58 | 2.58 | 2.58 | 1.98                     | 1.97 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 400  | 2.60                     | 2.59 | 2.58 | 2.58 | 2.58 | 1.97                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 500  | 2.59                     | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 750  | 2.59                     | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 1000 | 2.59                     | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 2000 | 2.58                     | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 5000 | 2.58                     | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                     | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                     | 1.15 | 1.15 | 1.15 | 1.15 |

| p | n    | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|---|------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|
|   |      | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|   |      | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   |
|   | 25   | -2.21                  | -2.42 | -2.48 | -2.52 | -2.56 | -1.77                  | -1.88 | -1.91 | -1.93 | -1.95 | -1.13                  | -1.14 | -1.14 | -1.15 | -1.15 |
|   | 50   | -2.39                  | -2.50 | -2.53 | -2.55 | -2.57 | -1.87                  | -1.92 | -1.93 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 75   | -2.45                  | -2.52 | -2.54 | -2.56 | -2.57 | -1.90                  | -1.93 | -1.94 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 100  | -2.48                  | -2.54 | -2.55 | -2.56 | -2.57 | -1.91                  | -1.94 | -1.95 | -1.95 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 150  | -2.51                  | -2.55 | -2.56 | -2.57 | -2.57 | -1.93                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 200  | -2.53                  | -2.56 | -2.56 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 300  | -2.54                  | -2.56 | -2.57 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 400  | -2.55                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 500  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 750  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 1000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 2000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 5000 | -2.57                  | -2.58 | -2.58 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |



**Medicare  
Hospital  
Information**

# ALFALFA COUNTY HOSPITAL

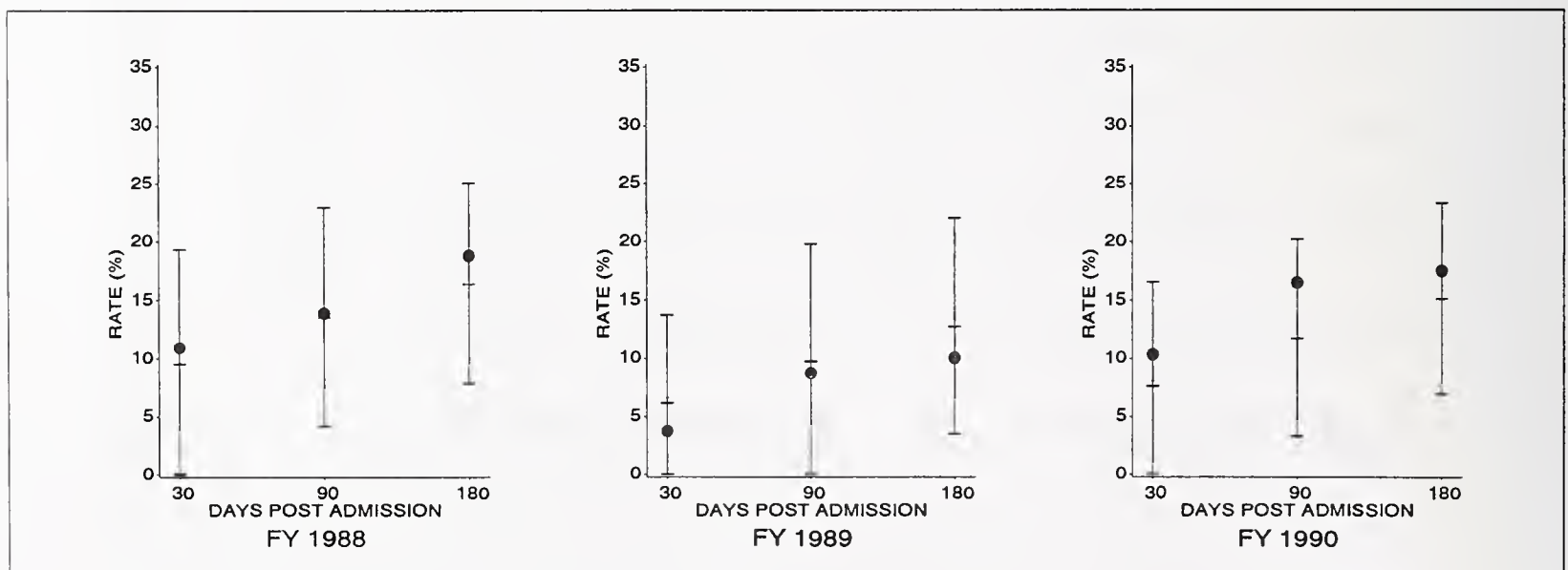
405 S OKLAHOMA AVE  
CHEROKEE, OK 73728  
Medicare Provider Number: 370110

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 97                 | 10.3                | 7.6  | 4.5   | 16.5    | 11.7 | 4.2   | 17.5     | 15.1 | 4.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 100.0               | 19.7 | ----- | 100.0   | 22.8 | ----- | 100.0    | 25.7 | ----- |
| Congestive Heart Failure.....              | 4                  | 50.0                | 16.5 | ----- | 50.0    | 24.9 | ----- | 50.0     | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 22.2                | 11.4 | ----- | 22.2    | 16.6 | ----- | 22.2     | 20.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 2.3  | ----- | 0.0     | 5.0  | ----- | 0.0      | 7.4  | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.9  | ----- |
| Stroke.....                                | 9                  | 33.3                | 18.4 | ----- | 33.3    | 23.4 | ----- | 33.3     | 26.9 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 2.0  | ----- | 0.0     | 4.1  | ----- | 0.0      | 5.5  | ----- |
| Sepsis.....                                | 1                  | 0.0                 | 15.9 | ----- | 0.0     | 21.2 | ----- | 0.0      | 24.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ALFALFA COUNTY HOSPITAL

Medicare Provider Number: 370110

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.6 years  
Proportion female..... 71.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 74.2 %  
Admitted for emergency..... 19.6 %

### COMORBIDITIES:

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 41.2 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 17.5 %  
Cerebrovascular degeneration..... 2.1 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.7%  
State ..... 15.3%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.4 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 20  
Occupancy Rate ..... 25.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 67.0 %  
Case Mix Index (CMI) ..... 0.9756

### STAFFING:

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists..... 87.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 7  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# ANADARKO MUNICIPAL HOSPITAL

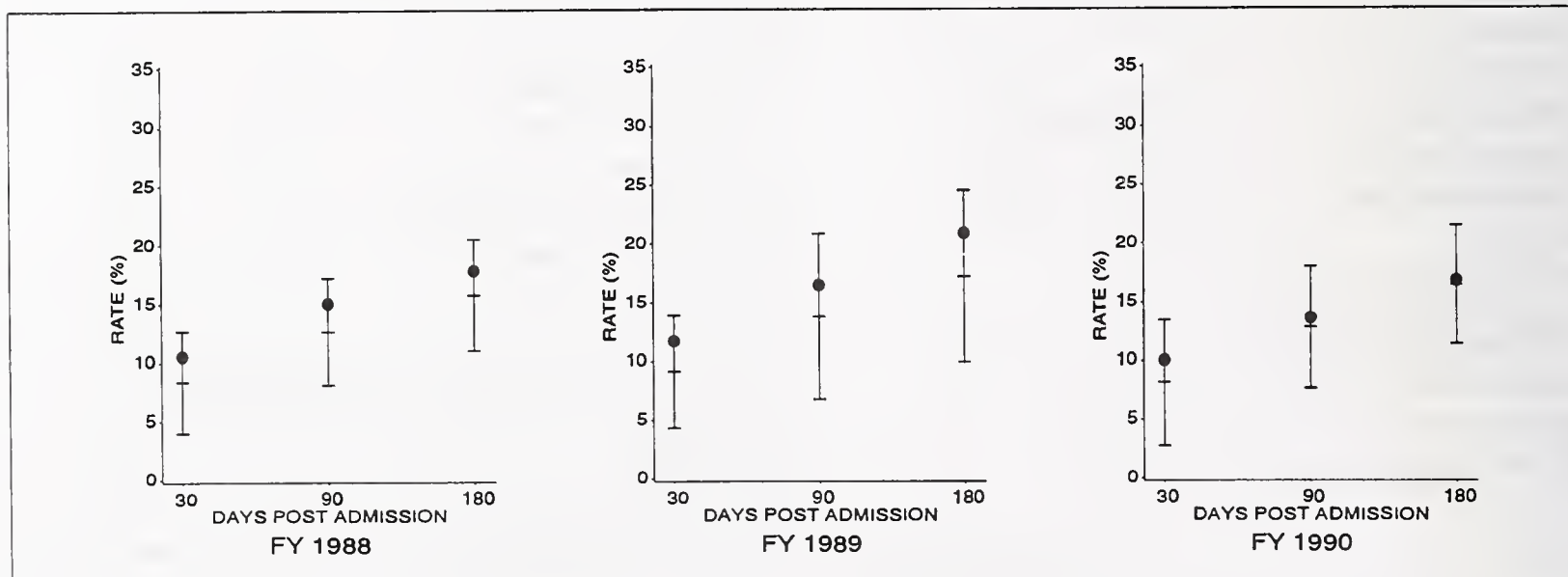
1002 EAST CENTRAL BOULEVARD  
ANADARKO, OK 73005  
Medicare Provider Number: 370038

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 220             | 10.0                | 8.1  | 2.7   | 13.6    | 12.8 | 2.6   | 16.8     | 16.4 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 25.6 | ----- | 50.0    | 32.4 | ----- | 50.0     | 36.4 | ----- |
| Congestive Heart Failure.....              | 20              | 20.0                | 11.6 | ----- | 25.0    | 18.8 | ----- | 30.0     | 24.7 | ----- |
| Pneumonia/Influenza.....                   | 22              | 9.1                 | 8.9  | ----- | 9.1     | 12.5 | ----- | 9.1      | 15.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 8.7  | ----- | 0.0     | 15.6 | ----- | 0.0      | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 1.2  | ----- | 16.7    | 3.1  | ----- | 16.7     | 5.6  | ----- |
| Stroke.....                                | 5               | 40.0                | 17.6 | ----- | 40.0    | 27.0 | ----- | 40.0     | 32.4 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 4.9  | ----- | 0.0     | 9.0  | ----- | 0.0      | 12.3 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 10.1 | ----- | 0.0     | 14.1 | ----- | 0.0      | 17.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 6               | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.3  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ANADARKO MUNICIPAL HOSPITAL

Medicare Provider Number: 370038

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 61.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 50.0 %  
Admitted for emergency..... 47.7 %

### COMORBIDITIES:

Cancer..... 5.5 %  
Chronic cardiovascular disease..... 27.7 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 5.0 %  
Chronic pulmonary disease..... 14.1 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 10.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 91.8%  
State ..... 6.9%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 20.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 44.7 %  
Case Mix Index (CMI) ..... 0.9567

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists ..... 25.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ARBUCKLE MEMORIAL HOSPITAL

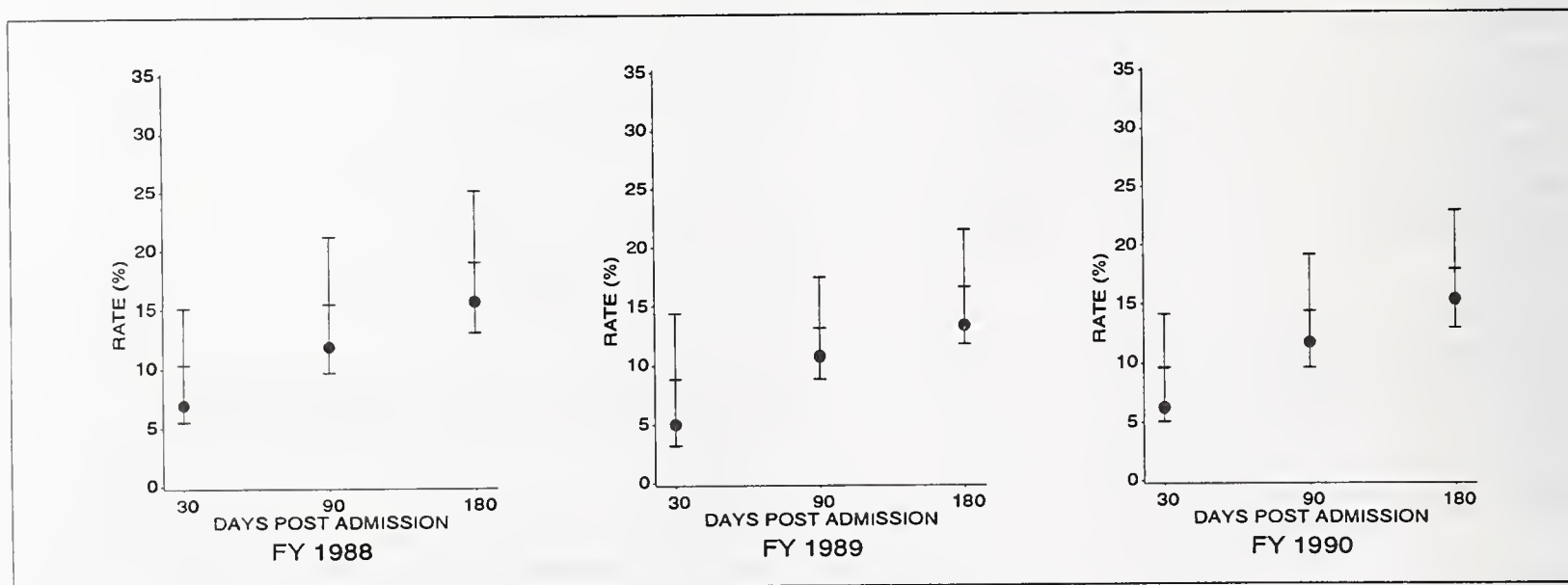
2011 WEST BROADWAY  
SULPHUR, OK 73086  
Medicare Provider Number: 370095

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 308             | 6.2                 | 9.6  | 2.3   | 11.7    | 14.4 | 2.4   | 15.3     | 17.9 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 40.0                | 34.2 | ----- | 40.0    | 38.7 | ----- | 60.0     | 43.2 | ----- |
| Congestive Heart Failure.....              | 27              | 7.4                 | 16.2 | ----- | 22.2    | 25.8 | ----- | 29.6     | 32.4 | ----- |
| Pneumonia/Influenza.....                   | 34              | 5.9                 | 17.0 | ----- | 17.6    | 23.2 | ----- | 23.5     | 27.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 26              | 0.0                 | 10.2 | ----- | 0.0     | 18.2 | ----- | 0.0      | 23.4 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.6  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.5  | ----- |
| Stroke.....                                | 7               | 28.6                | 22.2 | ----- | 57.1    | 28.9 | ----- | 57.1     | 32.8 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 13              | 0.0                 | 0.9  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.4  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.4  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ARBUCKLE MEMORIAL HOSPITAL

Medicare Provider Number: 370095

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.2 years  
Proportion female..... 47.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.6 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 1.6 %  
Admitted for emergency..... 5.5 %

### COMORBIDITIES:

Cancer..... 3.9 %  
Chronic cardiovascular disease..... 26.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 14.3 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.0%  
State ..... 31.0%  
Outside State ..... 3.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 58  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9467

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ARDMORE ADVENTIST HOSPITAL

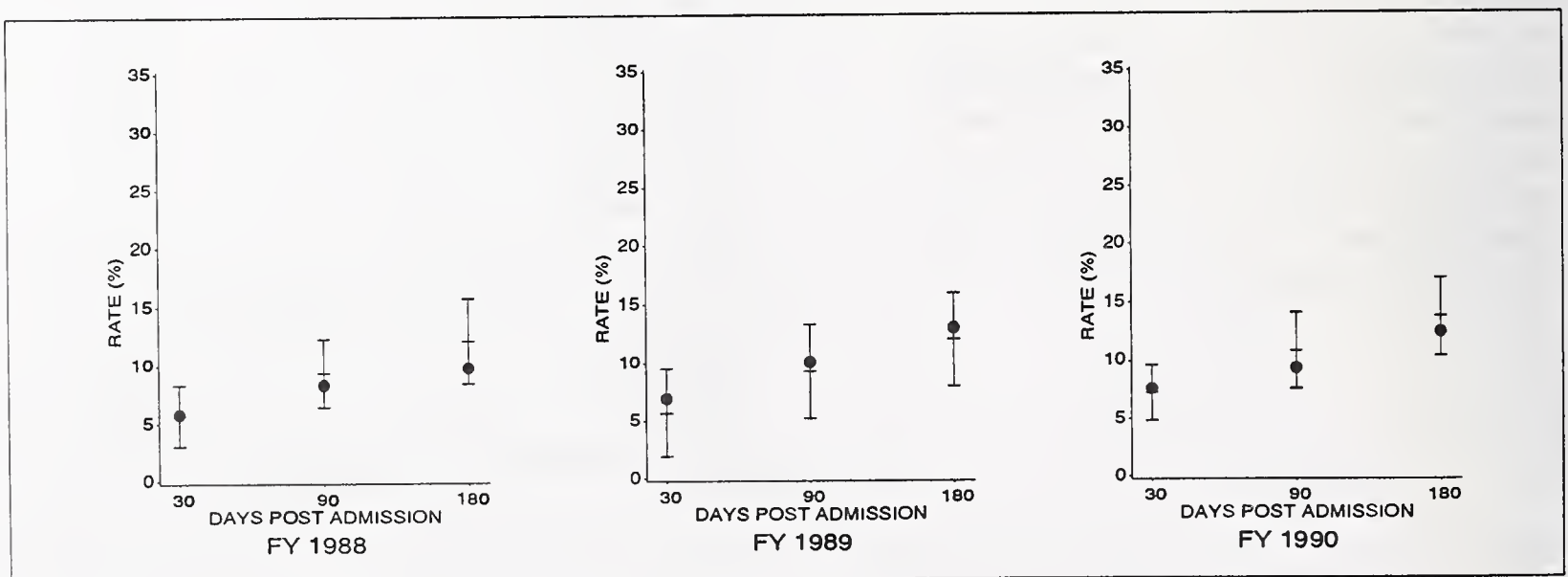
1012 14TH NW  
ARDMORE, OK 73401  
Medicare Provider Number: 370117

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 485                | 7.6                 | 7.2  | 1.2   | 9.3     | 10.8 | 1.6   | 12.4     | 13.7 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17                 | 29.4                | 23.2 | ----- | 29.4    | 26.3 | ----- | 29.4     | 29.4 | ----- |
| Congestive Heart Failure.....              | 19                 | 5.3                 | 12.1 | ----- | 5.3     | 19.8 | ----- | 15.8     | 25.3 | ----- |
| Pneumonia/Influenza.....                   | 21                 | 9.5                 | 11.9 | ----- | 9.5     | 16.5 | ----- | 9.5      | 19.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 10.0                | 9.9  | ----- | 10.0    | 18.6 | ----- | 10.0     | 24.6 | ----- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 2.0  | ----- | 0.0     | 4.6  | ----- | 12.5     | 7.8  | ----- |
| Stroke.....                                | 17                 | 5.9                 | 17.4 | ----- | 11.8    | 24.7 | ----- | 17.6     | 29.4 | ----- |
| Hip Fracture.....                          | 25                 | 4.0                 | 5.0  | ----- | 4.0     | 9.4  | ----- | 8.0      | 12.8 | ----- |
| Sepsis.....                                | 4                  | 25.0                | 43.8 | ----- | 50.0    | 55.0 | ----- | 50.0     | 61.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 0.8  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.5  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 20                 | 0.0                 | 1.9  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.4  | ----- |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 33                 | 3.0                 | 0.8  | ----- | 3.0     | 1.7  | ----- | 3.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 2.7  | ----- | 0.0     | 4.9  | ----- | 0.0      | 6.2  | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ARDMORE ADVENTIST HOSPITAL

Medicare Provider Number: 370117

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years  
Proportion female..... 52.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.9 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 0.8 %  
Admitted for emergency..... 0.8 %

### COMORBIDITIES:

Cancer..... 4.5 %  
Chronic cardiovascular disease..... 27.4 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 4.9 %  
Chronic pulmonary disease..... 13.0 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.7%  
State ..... 35.1%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 72  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 35.9 %  
Case Mix Index (CMI) ..... 1.1330

### STAFFING:

Total Number of Physicians..... 20  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 36  
Licensed Practical Nurses ..... 23

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# ATOKA MEMORIAL HOSPITAL

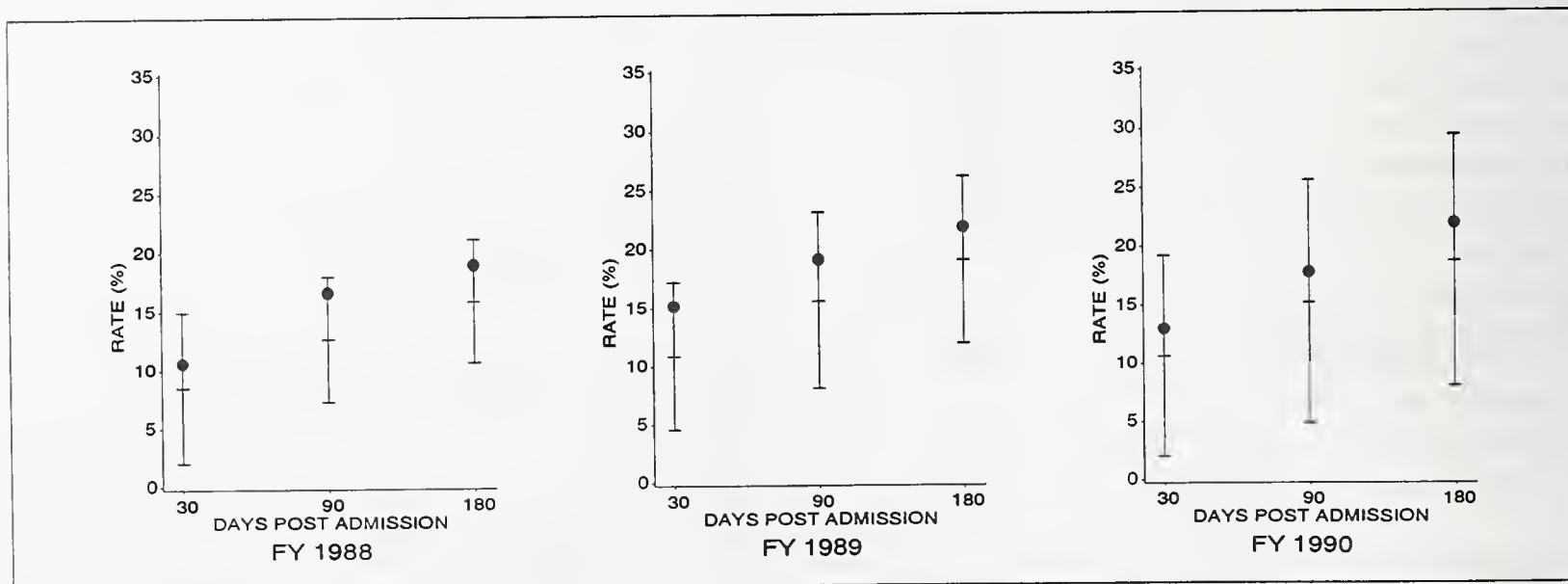
1501 S VIRGINIA AVE, BOX 10  
ATOKA, OK 74525  
Medicare Provider Number: 370071

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 169                | 13.0                | 10.6 | 4.3   | 17.8    | 15.2 | 5.2   | 21.9     | 18.7 | 5.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10                 | 50.0                | 35.9 | ----- | 60.0    | 38.7 | ----- | 60.0     | 41.7 | ----- |
| Congestive Heart Failure.....              | 19                 | 15.8                | 13.1 | ----- | 21.1    | 20.4 | ----- | 31.6     | 26.6 | ----- |
| Pneumonia/Influenza.....                   | 26                 | 15.4                | 11.4 | ----- | 23.1    | 16.0 | ----- | 23.1     | 19.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 14.3                | 4.0  | ----- | 14.3    | 7.4  | ----- | 14.3     | 10.4 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.0  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 3                  | 0.0                 | 32.3 | ----- | 0.0     | 43.4 | ----- | 66.7     | 49.7 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 2.8  | ----- | 0.0     | 5.6  | ----- | 0.0      | 8.3  | ----- |
| Sepsis.....                                | 1                  | 100.0               | 31.1 | ----- | 100.0   | 41.0 | ----- | 100.0    | 47.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ATOKA MEMORIAL HOSPITAL

Medicare Provider Number: 370071

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 64.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 66.9 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 39.6 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 19.5 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.9%  
State ..... 16.9%  
Outside State ..... 3.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 37  
Occupancy Rate ..... 29.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 39.7 %  
Case Mix Index (CMI) ..... 0.9541

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST MEDICAL CENTER OF OKLAHOMA

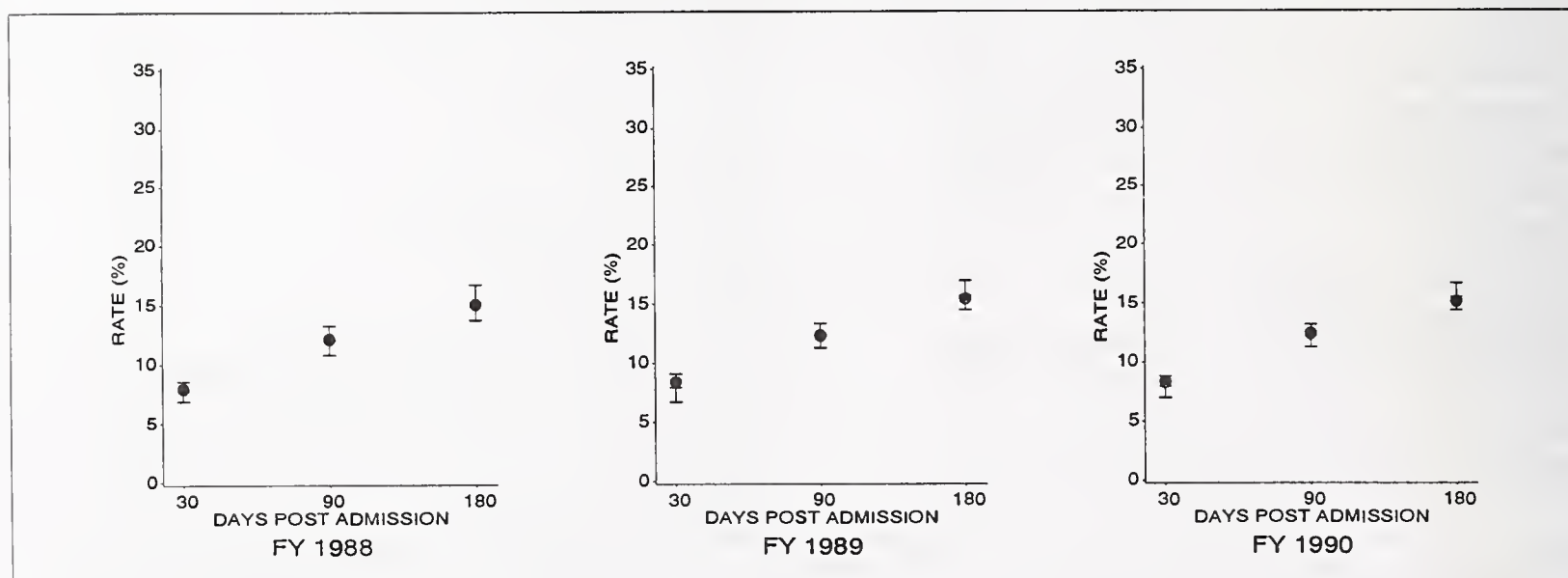
3300 NORTHWEST EXPRESSWAY  
OKLAHOMA CITY, OK 73112  
Medicare Provider Number: 370028

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5063            | 8.3                 | 7.9  | 0.5   | 12.4    | 12.2 | 0.5   | 15.1     | 15.5 | 0.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 135             | 21.5                | 25.5 | 5.9   | 25.2    | 28.5 | 6.3   | 26.7     | 31.1 | 6.8   |
| Congestive Heart Failure.....              | 199             | 19.6                | 14.4 | 3.3   | 24.1    | 23.0 | 3.5   | 29.6     | 29.1 | 3.2   |
| Pneumonia/Influenza.....                   | 135             | 13.3                | 15.2 | 3.4   | 20.0    | 20.9 | 3.6   | 23.0     | 24.6 | 4.0   |
| Chronic Obstructive Pulmonary Disease..... | 119             | 7.6                 | 8.5  | 3.9   | 11.8    | 14.8 | 5.1   | 16.0     | 19.4 | 6.4   |
| Transient Cerebral Ischemia.....           | 59              | 3.4                 | 1.4  | 2.9   | 5.1     | 3.1  | 3.3   | 5.1      | 5.1  | 3.2   |
| Stroke.....                                | 131             | 24.4                | 22.8 | 4.0   | 29.8    | 28.5 | 4.6   | 31.3     | 32.1 | 4.3   |
| Hip Fracture.....                          | 104             | 9.6                 | 6.1  | 3.9   | 13.5    | 11.0 | 4.7   | 18.3     | 14.4 | 4.7   |
| Sepsis.....                                | 23              | 21.7                | 25.1 | ----- | 30.4    | 35.3 | ----- | 34.8     | 40.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 114             | 0.0                 | 2.0  | 2.3   | 1.8     | 2.8  | 2.4   | 3.5      | 3.6  | 2.3   |
| Coronary Artery Bypass Graft.....          | 194             | 3.6                 | 5.3  | 2.7   | 6.2     | 7.7  | 3.0   | 7.7      | 8.7  | 3.3   |
| Initial Pacemaker Insertion.....           | 71              | 2.8                 | 2.9  | 2.8   | 7.0     | 5.8  | 3.2   | 7.0      | 8.6  | 4.4   |
| Carotid Endarterectomy.....                | 30              | 0.0                 | 1.5  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.0  | ----- |
| Hip Replacement/Reconstruction.....        | 78              | 2.6                 | 2.6  | 2.6   | 6.4     | 4.9  | 3.2   | 7.7      | 6.7  | 3.2   |
| Open Reduction of Hip Fracture.....        | 40              | 5.0                 | 5.8  | ----- | 7.5     | 10.9 | ----- | 17.5     | 14.6 | ----- |
| Prostatectomy.....                         | 193             | 3.1                 | 1.1  | 1.6   | 3.6     | 2.5  | 1.7   | 6.2      | 4.2  | 2.2   |
| Cholecystectomy.....                       | 145             | 4.1                 | 3.3  | 2.5   | 9.0     | 5.7  | 3.6   | 9.7      | 7.3  | 3.4   |
| Hysterectomy.....                          | 44              | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BAPTIST MEDICAL CENTER OF OKLAHOMA

Medicare Provider Number: 370028

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.1 years  
Proportion female..... 54.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 56.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 35.4 %  
Admitted for emergency..... 37.3 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 34.5 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 10.0 %  
Cerebrovascular degeneration..... 2.6 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 55.6%  
State..... 41.6%  
Outside State..... 2.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.9 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 560  
Occupancy Rate..... 74.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 35.9 %  
Case Mix Index (CMI)..... 1.5052

### STAFFING:

Total Number of Physicians..... 332  
Percent of Physicians Board  
Certified Specialists..... 84.0 %  
Medical Residents/Interns..... 8  
Registered Nurses..... 554  
Licensed Practical Nurses..... 128

### SPECIALTY SERVICES:

Burn Unit..... Yes  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... Yes  
Other Intensive Care..... Yes  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BAPTIST REGIONAL HEALTH CENTER

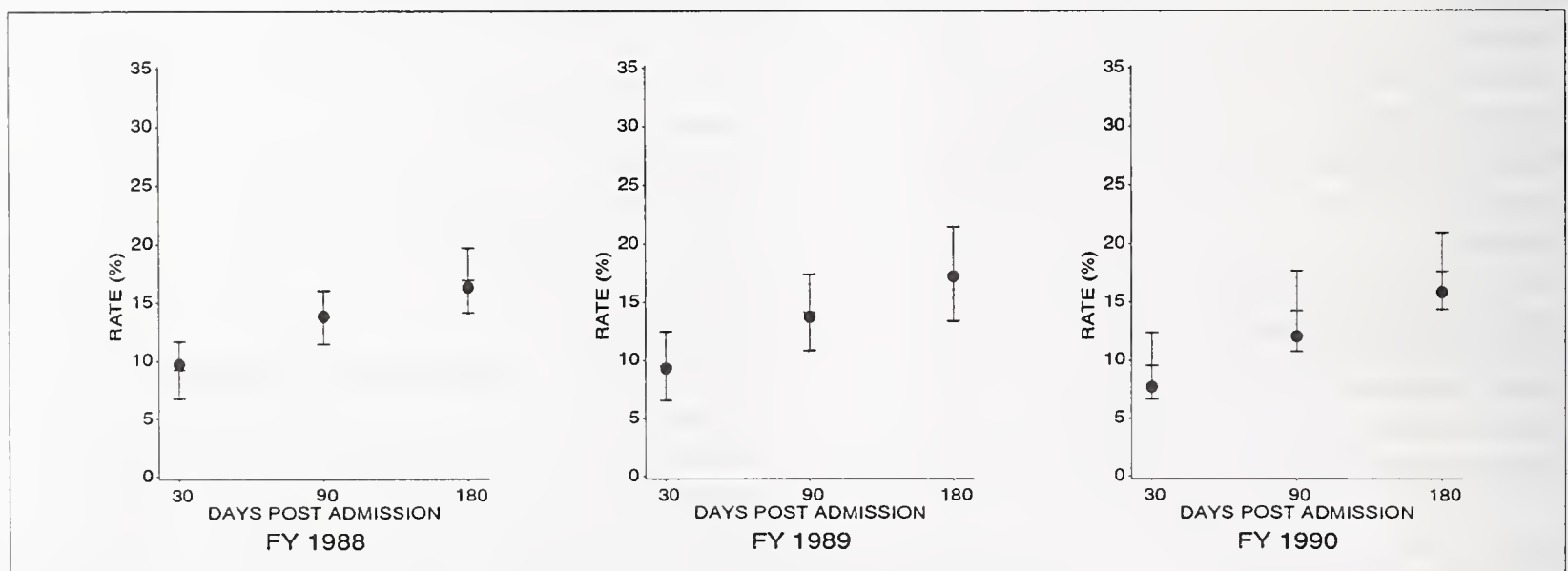
200 2ND AVE SW, BOX 1207  
MIAMI, OK 74355  
Medicare Provider Number: 370004

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1022            | 7.7                 | 9.5  | 1.4   | 12.0    | 14.2 | 1.7   | 15.8     | 17.6 | 1.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 31              | 35.5                | 25.5 | ----- | 38.7    | 28.1 | ----- | 45.2     | 31.4 | ----- |
| Congestive Heart Failure.....              | 43              | 9.3                 | 16.0 | ----- | 14.0    | 25.3 | ----- | 20.9     | 31.8 | ----- |
| Pneumonia/Influenza.....                   | 108             | 10.2                | 14.4 | 6.3   | 14.8    | 19.7 | 5.7   | 18.5     | 23.1 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 34              | 2.9                 | 7.2  | ----- | 2.9     | 13.2 | ----- | 8.8      | 18.0 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 6.7                 | 1.4  | ----- | 6.7     | 3.2  | ----- | 13.3     | 5.3  | ----- |
| Stroke.....                                | 38              | 18.4                | 19.5 | ----- | 21.1    | 26.1 | ----- | 21.1     | 30.2 | ----- |
| Hip Fracture.....                          | 25              | 8.0                 | 6.9  | ----- | 20.0    | 12.7 | ----- | 20.0     | 16.7 | ----- |
| Sepsis.....                                | 11              | 45.5                | 34.1 | ----- | 45.5    | 40.6 | ----- | 54.5     | 45.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 3.6  | ----- | 7.1     | 7.1  | ----- | 7.1      | 10.2 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 17              | 5.9                 | 3.6  | ----- | 17.6    | 7.4  | ----- | 17.6     | 10.1 | ----- |
| Open Reduction of Hip Fracture.....        | 10              | 10.0                | 6.7  | ----- | 20.0    | 12.5 | ----- | 20.0     | 16.5 | ----- |
| Prostatectomy.....                         | 19              | 5.3                 | 0.7  | ----- | 10.5    | 1.6  | ----- | 10.5     | 2.9  | ----- |
| Cholecystectomy.....                       | 11              | 0.0                 | 2.8  | ----- | 0.0     | 5.7  | ----- | 9.1      | 8.2  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 13.0 | ----- | 0.0     | 26.4 | ----- | 0.0      | 36.1 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BAPTIST REGIONAL HEALTH CENTER

Medicare Provider Number: 370004

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 62.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 35.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 4.9 %  
Admitted for emergency..... 35.1 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 28.6 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 15.2 %  
Cerebrovascular degeneration..... 2.9 %  
Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.2%  
State ..... 10.1%  
Outside State ..... 3.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 119  
Occupancy Rate ..... 48.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 37.8 %  
Case Mix Index (CMI) ..... 1.0500

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists..... 26.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 87  
Licensed Practical Nurses..... 41

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# BARTLETT MEMORIAL MEDICAL CENTER INC

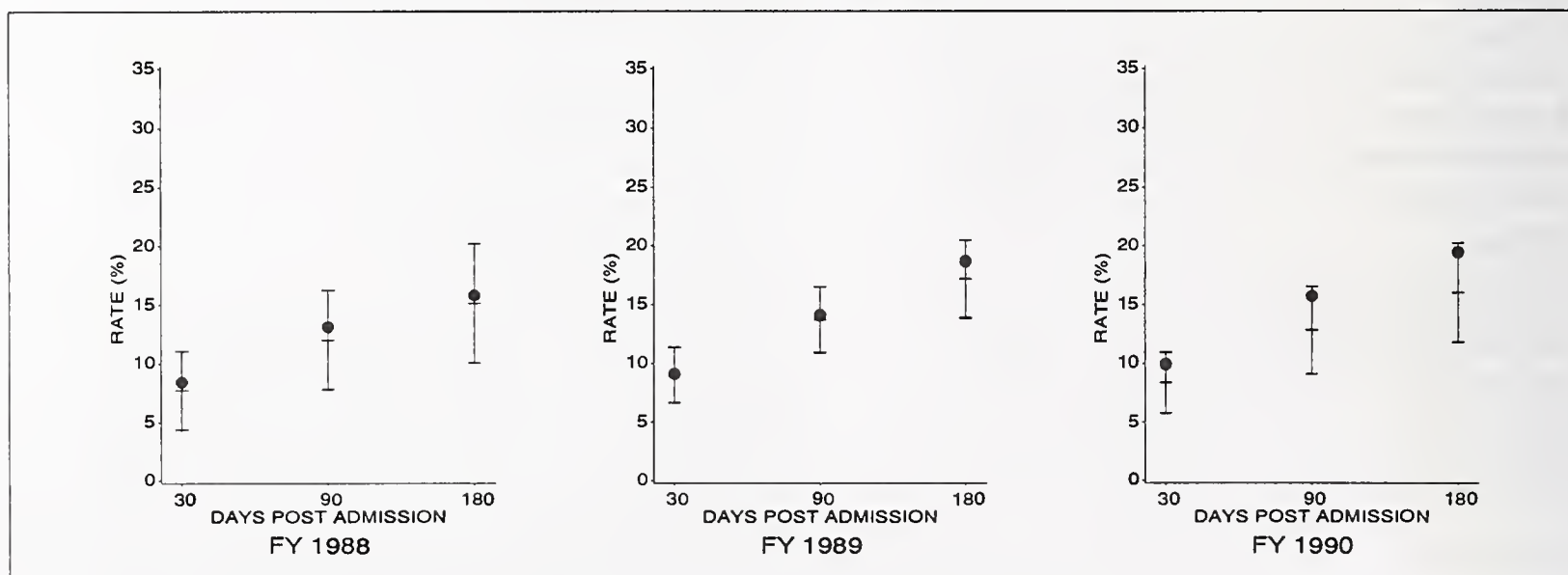
519 S DIVISION, BOX 1368  
SAPULPA, OK 74067  
Medicare Provider Number: 370033

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 638                | 9.9                 | 8.3  | 1.3   | 15.7    | 12.8 | 1.9   | 19.4     | 16.0 | 2.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 33.3                | 27.2 | ----- | 33.3    | 32.5 | ----- | 40.0     | 36.7 | ----- |
| Congestive Heart Failure.....              | 36                 | 22.2                | 12.6 | ----- | 36.1    | 19.9 | ----- | 44.4     | 25.6 | ----- |
| Pneumonia/Influenza.....                   | 65                 | 10.8                | 13.3 | 7.2   | 13.8    | 18.4 | 6.3   | 20.0     | 21.6 | 5.3   |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 15.4                | 6.9  | ----- | 23.1    | 11.8 | ----- | 23.1     | 15.9 | ----- |
| Transient Cerebral Ischemia.....           | 19                 | 0.0                 | 1.9  | ----- | 0.0     | 4.4  | ----- | 0.0      | 7.2  | ----- |
| Stroke.....                                | 17                 | 23.5                | 20.9 | ----- | 41.2    | 27.2 | ----- | 41.2     | 31.3 | ----- |
| Hip Fracture.....                          | 14                 | 0.0                 | 6.6  | ----- | 0.0     | 11.5 | ----- | 0.0      | 14.8 | ----- |
| Sepsis.....                                | 3                  | 33.3                | 35.1 | ----- | 33.3    | 41.3 | ----- | 33.3     | 45.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6                  | 0.0                 | 3.8  | ----- | 16.7    | 6.9  | ----- | 16.7     | 9.5  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 6.8  | ----- | 0.0     | 11.9 | ----- | 0.0      | 15.1 | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 3.8  | ----- | 0.0     | 6.9  | ----- | 0.0      | 9.6  | ----- |
| Prostatectomy.....                         | 3                  | 0.0                 | 3.3  | ----- | 0.0     | 6.9  | ----- | 0.0      | 11.4 | ----- |
| Cholecystectomy.....                       | 11                 | 0.0                 | 3.0  | ----- | 0.0     | 4.6  | ----- | 0.0      | 5.3  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BARTLETT MEMORIAL MEDICAL CENTER INC

Medicare Provider Number: 370033

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years

Proportion female..... 61.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %

Transferred from skilled nursing facility..... 0.2 %

Admitted for elective procedure..... 0.2 %

Admitted for emergency..... 3.8 %

### COMORBIDITIES:

Cancer..... 3.1 %

Chronic cardiovascular disease..... 41.7 %

Chronic liver disease..... 0.8 %

Chronic renal disease..... 2.2 %

Chronic pulmonary disease..... 19.0 %

Cerebrovascular degeneration..... 3.0 %

Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 58.5%

State ..... 40.1%

Outside State ..... 1.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days

State ..... 7.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 113

Ownership/Control..... Private, Non-Profit

Case Mix Index (CMI) ..... 1.2016

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 31

Licensed Practical Nurses..... 34

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... No

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BASS MEMORIAL BAPTIST HOSPITAL

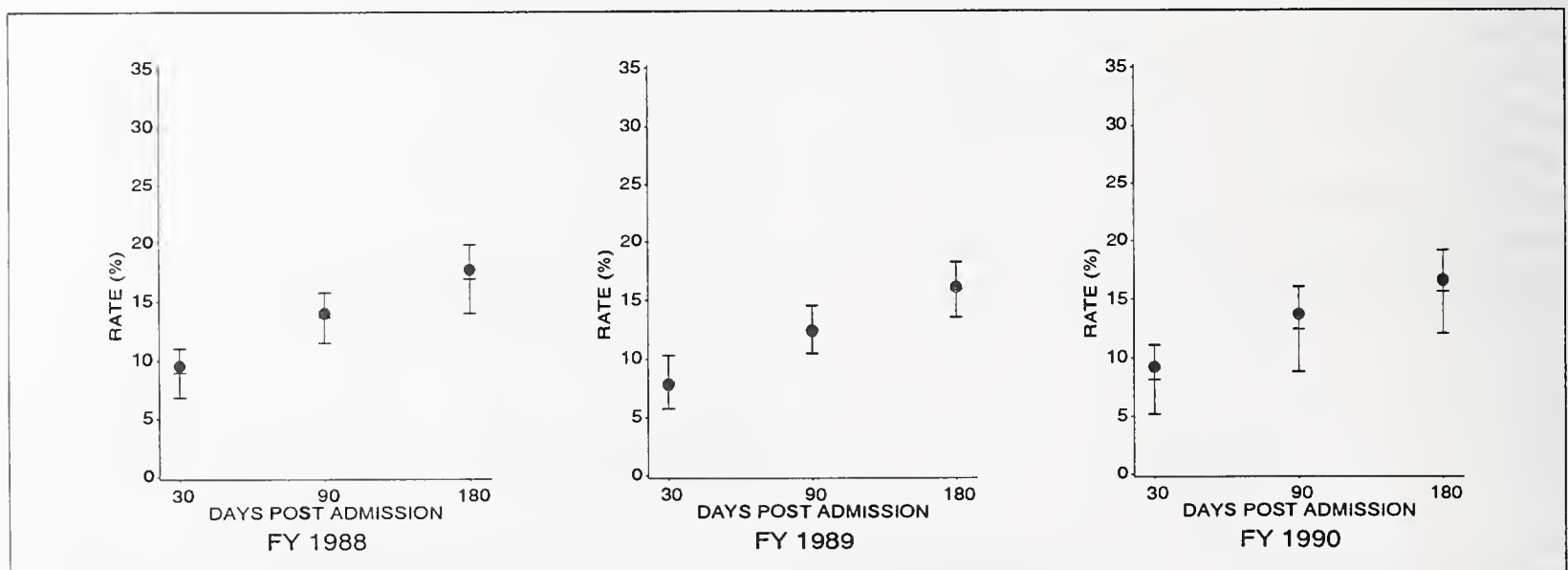
600 S MONROE, BOX 3168  
ENID, OK 73702  
Medicare Provider Number: 370016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1062            | 9.2                 | 8.1  | 1.5   | 13.7    | 12.4 | 1.8   | 16.6     | 15.6 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 34              | 20.6                | 25.0 | ----- | 23.5    | 28.0 | ----- | 26.5     | 31.3 | ----- |
| Congestive Heart Failure.....              | 39              | 17.9                | 12.6 | ----- | 20.5    | 20.3 | ----- | 30.8     | 26.4 | ----- |
| Pneumonia/Influenza.....                   | 31              | 19.4                | 13.7 | ----- | 25.8    | 18.5 | ----- | 25.8     | 21.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 19              | 10.5                | 9.1  | ----- | 15.8    | 16.4 | ----- | 21.1     | 21.6 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 1.6  | ----- | 0.0     | 3.8  | ----- | 18.2     | 6.4  | ----- |
| Stroke.....                                | 39              | 33.3                | 21.6 | ----- | 33.3    | 26.8 | ----- | 38.5     | 30.3 | ----- |
| Hip Fracture.....                          | 65              | 9.2                 | 7.5  | 3.6   | 13.8    | 13.2 | 4.2   | 16.9     | 17.0 | 4.7   |
| Sepsis.....                                | 3               | 100.0               | 29.5 | ----- | 100.0   | 34.2 | ----- | 100.0    | 38.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 12              | 0.0                 | 1.7  | ----- | 8.3     | 3.7  | ----- | 16.7     | 5.7  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 35              | 2.9                 | 2.5  | ----- | 5.7     | 4.8  | ----- | 5.7      | 6.3  | ----- |
| Open Reduction of Hip Fracture.....        | 46              | 2.2                 | 6.2  | ----- | 6.5     | 11.4 | ----- | 10.9     | 15.4 | ----- |
| Prostatectomy.....                         | 55              | 0.0                 | 0.6  | 1.2   | 0.0     | 1.5  | 2.0   | 0.0      | 2.6  | 3.0   |
| Cholecystectomy.....                       | 36              | 5.6                 | 3.8  | ----- | 11.1    | 7.0  | ----- | 13.9     | 9.2  | ----- |
| Hysterectomy.....                          | 17              | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BASS MEMORIAL BAPTIST HOSPITAL

Medicare Provider Number: 370016

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 67.8 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 31.8 %  
Admitted for emergency..... 63.7 %

### COMORBIDITIES:

Cancer..... 8.4 %  
Chronic cardiovascular disease..... 27.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 0.5 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 2.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.0%  
State ..... 31.4%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 120  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 46.2 %  
Case Mix Index (CMI) ..... 1.2709

### STAFFING:

Total Number of Physicians..... 86  
Percent of Physicians Board  
Certified Specialists ..... 80.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 76  
Licensed Practical Nurses ..... 29

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BEAVER COUNTY MEMORIAL HOSPITAL

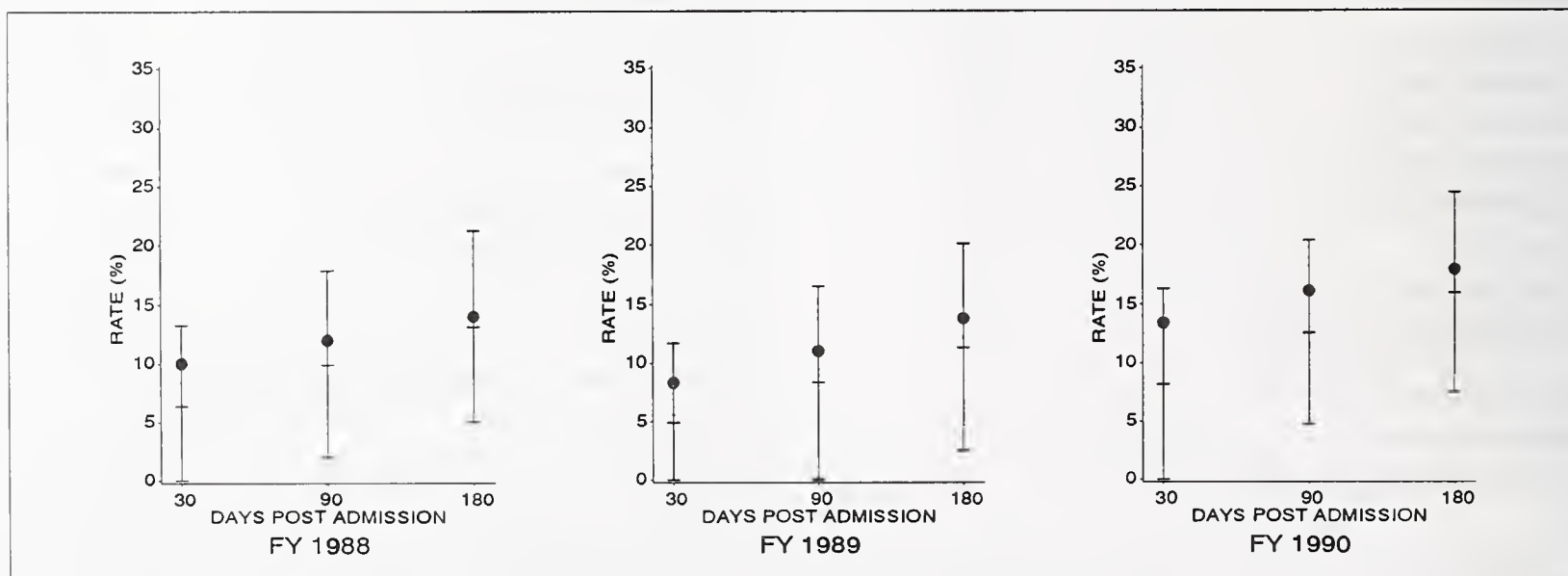
212 E 8TH ST, BOX 640  
BEAVER, OK 73932  
Medicare Provider Number: 370082

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 112                | 13.4                | 8.1  | 4.1   | 16.1    | 12.5 | 3.9   | 17.9     | 15.9 | 4.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 66.7                | 24.9 | ----- | 66.7    | 30.8 | ----- | 66.7     | 33.8 | ----- |
| Congestive Heart Failure.....              | 4                  | 75.0                | 13.6 | ----- | 100.0   | 22.5 | ----- | 100.0    | 29.7 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 10.0                | 15.1 | ----- | 15.0    | 21.6 | ----- | 20.0     | 26.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 50.0                | 9.9  | ----- | 50.0    | 18.7 | ----- | 50.0     | 25.4 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.3  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.7  | ----- |
| Stroke.....                                | 4                  | 25.0                | 10.8 | ----- | 25.0    | 15.6 | ----- | 25.0     | 18.7 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1                  | 0.0                 | 0.4  | ----- | 0.0     | 1.1  | ----- | 0.0      | 2.1  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BEAVER COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 370082

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.8 years |
| Proportion female.....        | 53.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 58.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 96.4 % |
| Admitted for emergency.....                    | 1.8 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.1 %  |
| Chronic cardiovascular disease..... | 27.7 % |
| Chronic liver disease.....          | 1.8 %  |
| Chronic renal disease.....          | 2.7 %  |
| Chronic pulmonary disease.....      | 12.5 % |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 4.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 77.1%  |
| State .....         | 13.4%  |
| Outside State ..... | 9.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 24                 |
| Occupancy Rate .....       | 16.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 48.5 %             |
| Case Mix Index (CMI) ..... | 0.9867             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 4      |
| Percent of Physicians Board<br>Certified Specialists ..... | 50.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 7      |
| Licensed Practical Nurses .....                            | 5      |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates



# BETHANY GENERAL HOSPITAL & PAVILION

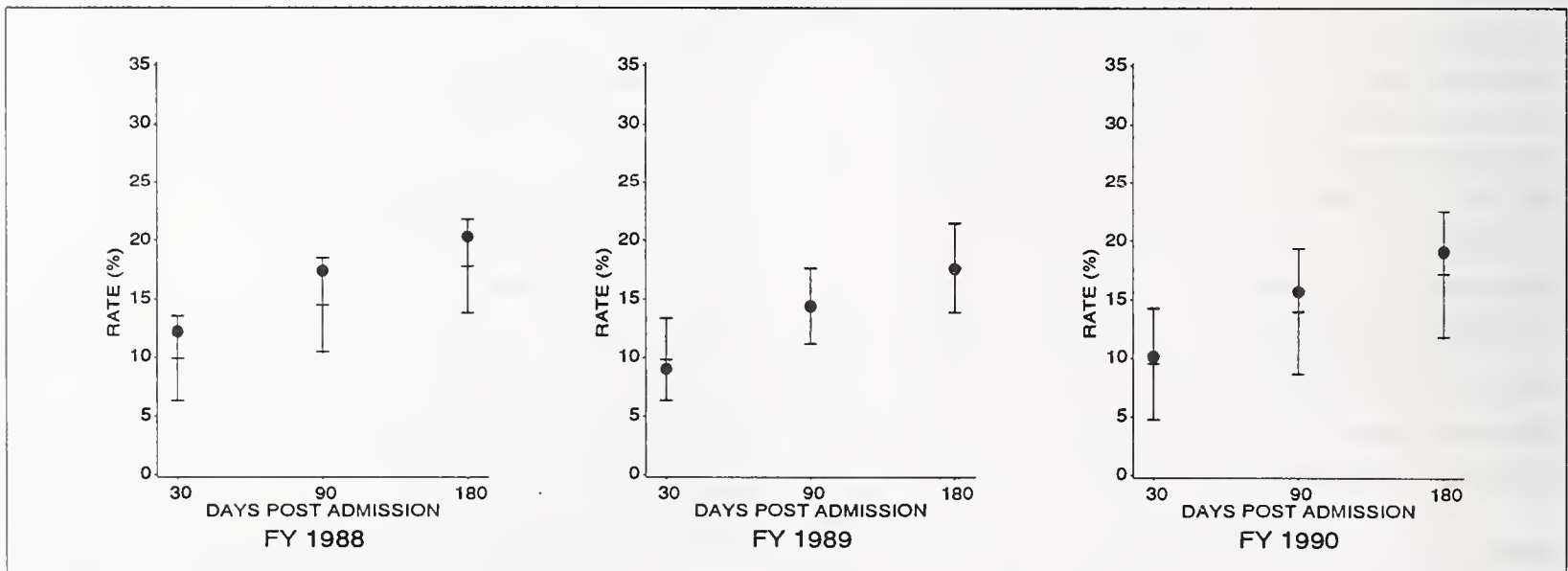
7600 NW 23RD  
BETHANY, OK 73008  
Medicare Provider Number: 370159

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 587                | 10.1                | 9.5  | 2.4   | 15.7    | 14.0 | 2.7   | 19.1     | 17.2 | 2.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 26.7                | 27.1 | ----- | 26.7    | 30.2 | ----- | 40.0     | 33.1 | ----- |
| Congestive Heart Failure.....              | 29                 | 17.2                | 14.1 | ----- | 20.7    | 22.3 | ----- | 27.6     | 28.8 | ----- |
| Pneumonia/Influenza.....                   | 36                 | 8.3                 | 13.8 | ----- | 16.7    | 18.8 | ----- | 19.4     | 22.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 0.0                 | 8.6  | ----- | 25.0    | 14.5 | ----- | 25.0     | 18.5 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 10.0                | 1.5  | ----- | 10.0    | 3.3  | ----- | 10.0     | 5.4  | ----- |
| Stroke.....                                | 15                 | 26.7                | 19.7 | ----- | 40.0    | 25.3 | ----- | 40.0     | 28.9 | ----- |
| Hip Fracture.....                          | 21                 | 4.8                 | 6.4  | ----- | 9.5     | 11.6 | ----- | 9.5      | 15.3 | ----- |
| Sepsis.....                                | 7                  | 85.7                | 43.9 | ----- | 85.7    | 55.0 | ----- | 100.0    | 60.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6                  | 0.0                 | 2.6  | ----- | 0.0     | 6.0  | ----- | 0.0      | 9.9  | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.7  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.8  | ----- |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 3.6  | ----- | 0.0     | 6.6  | ----- | 0.0      | 8.8  | ----- |
| Open Reduction of Hip Fracture.....        | 6                  | 0.0                 | 7.7  | ----- | 16.7    | 14.5 | ----- | 16.7     | 19.2 | ----- |
| Prostatectomy.....                         | 17                 | 0.0                 | 1.0  | ----- | 0.0     | 2.2  | ----- | 5.9      | 3.8  | ----- |
| Cholecystectomy.....                       | 25                 | 4.0                 | 3.3  | ----- | 4.0     | 4.9  | ----- | 8.0      | 5.7  | ----- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BETHANY GENERAL HOSPITAL & PAVILION

Medicare Provider Number: 370159

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 65.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.5 %

### COMORBIDITIES:

Cancer..... 3.6 %  
Chronic cardiovascular disease..... 35.8 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 10.1 %  
Cerebrovascular degeneration..... 7.0 %  
Diabetes mellitus..... 3.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.5%  
State ..... 22.3%  
Outside State ..... 3.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 88  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 43.0 %  
Case Mix Index (CMI) ..... 1.1324

### STAFFING:

Total Number of Physicians..... 40  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 89  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BLACKWELL REGIONAL HOSPITAL

SOUTH 13TH ST AND W FERGUSON AVE

BLACKWELL, OK 74631

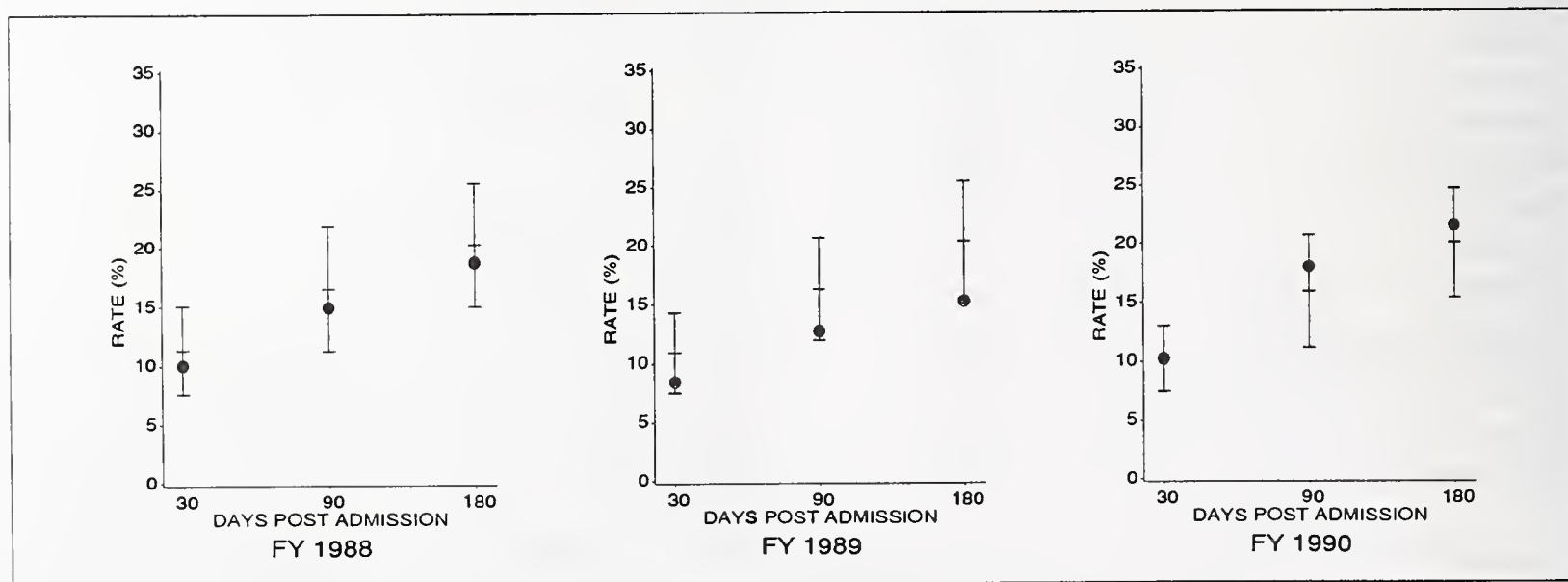
Medicare Provider Number: 370030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 511                | 10.2                | 10.2 | 1.4   | 18.0    | 15.9 | 2.4   | 21.5     | 20.0 | 2.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 14                 | 35.7                | 24.8 | ----- | 42.9    | 29.4 | ----- | 42.9     | 32.5 | ----- |
| Congestive Heart Failure.....              | 29                 | 13.8                | 11.8 | ----- | 24.1    | 19.0 | ----- | 27.6     | 25.7 | ----- |
| Pneumonia/Influenza.....                   | 63                 | 1.6                 | 12.4 | 5.9   | 7.9     | 17.6 | 6.7   | 11.1     | 21.0 | 6.5   |
| Chronic Obstructive Pulmonary Disease..... | 9                  | 0.0                 | 4.6  | ----- | 0.0     | 8.4  | ----- | 0.0      | 12.5 | ----- |
| Transient Cerebral Ischemia.....           | 13                 | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.8  | ----- |
| Stroke.....                                | 24                 | 25.0                | 18.8 | ----- | 25.0    | 26.4 | ----- | 29.2     | 31.5 | ----- |
| Hip Fracture.....                          | 13                 | 0.0                 | 7.0  | ----- | 30.8    | 12.8 | ----- | 30.8     | 16.7 | ----- |
| Sepsis.....                                | 3                  | 0.0                 | 23.3 | ----- | 0.0     | 35.9 | ----- | 0.0      | 42.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 5.6  | ----- | 14.3    | 10.4 | ----- | 14.3     | 13.8 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 7.8  | ----- | 40.0    | 15.1 | ----- | 40.0     | 20.0 | ----- |
| Prostatectomy.....                         | 12                 | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 8.3      | 3.0  | ----- |
| Cholecystectomy.....                       | 10                 | 10.0                | 1.8  | ----- | 10.0    | 4.3  | ----- | 10.0     | 6.9  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BLACKWELL REGIONAL HOSPITAL

Medicare Provider Number: 370030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.7 years  
Proportion female..... 58.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 66.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 76.7 %  
Admitted for emergency..... 14.5 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 53.4 %  
Chronic liver disease..... 1.6 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 40.5 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 11.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 91.4%  
State ..... 6.5%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 53  
Ownership/Control..... Church  
Case Mix Index (CMI) ..... 1.2777

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 21  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# BONE & JOINT HOSPITAL

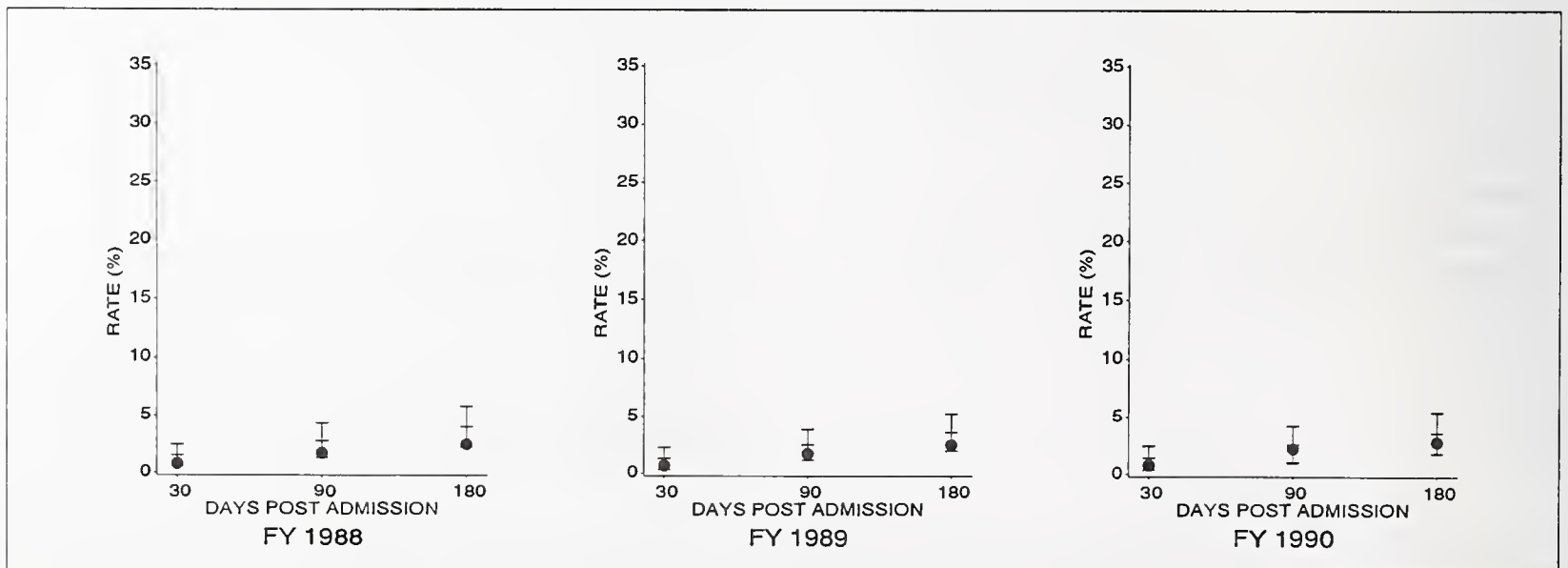
1111 N DEWEY AVE  
OKLAHOMA CITY, OK 73103  
Medicare Provider Number: 370105

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1129            | 0.8                 | 1.4  | 0.5   | 2.2     | 2.6  | 0.8   | 2.8      | 3.6  | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0               |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 3               | 0.0                 | 7.7  | ----- | 33.3    | 10.8 | ----- | 33.3     | 12.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 1               | 100.0               | 13.9 | ----- | 100.0   | 18.4 | ----- | 100.0    | 21.3 | ----- |
| Hip Fracture.....                          | 140             | 3.6                 | 5.5  | 2.6   | 8.6     | 9.9  | 4.0   | 10.0     | 13.0 | 4.8   |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 303             | 0.3                 | 1.5  | 1.1   | 1.7     | 2.9  | 1.6   | 2.0      | 3.9  | 1.8   |
| Open Reduction of Hip Fracture.....        | 50              | 8.0                 | 6.5  | ----- | 14.0    | 11.6 | ----- | 16.0     | 15.0 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BONE & JOINT HOSPITAL

Medicare Provider Number: 370105

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 70.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 81.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 81.1 %  
Admitted for emergency..... 17.5 %

### COMORBIDITIES:

Cancer..... 0.4 %  
Chronic cardiovascular disease..... 16.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 5.6 %  
Cerebrovascular degeneration..... 2.9 %  
Diabetes mellitus..... 2.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 32.2%  
State ..... 63.8%  
Outside State ..... 4.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 102  
Occupancy Rate ..... 50.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 61.1 %  
Case Mix Index (CMI) ..... 1.8545

### STAFFING:

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists..... 75.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 54  
Licensed Practical Nurses ..... 68

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# BRISTOW MEMORIAL HOSPITAL

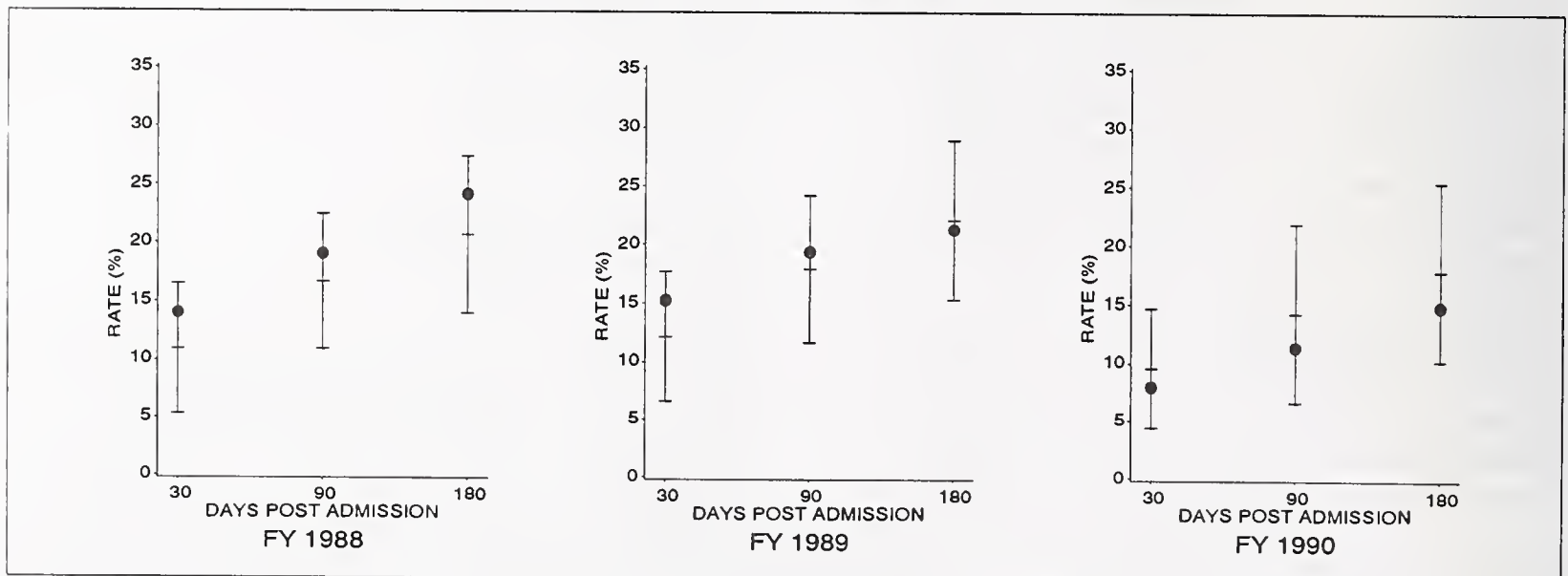
SPRUCE & 7TH STS, BOX 780  
BRISTOW, OK 74010  
Medicare Provider Number: 370041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 203                | 7.9                 | 9.5  | 2.6   | 11.3    | 14.2 | 3.8   | 14.8     | 17.8 | 3.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6                  | 16.7                | 27.9 | ----- | 16.7    | 31.0 | ----- | 16.7     | 34.7 | ----- |
| Congestive Heart Failure.....              | 18                 | 22.2                | 13.1 | ----- | 38.9    | 21.1 | ----- | 50.0     | 27.4 | ----- |
| Pneumonia/Influenza.....                   | 18                 | 0.0                 | 12.4 | ----- | 0.0     | 17.3 | ----- | 0.0      | 20.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 9.3  | ----- | 0.0     | 14.3 | ----- | 0.0      | 18.3 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 3.3  | ----- | 0.0     | 8.9  | ----- | 100.0    | 16.6 | ----- |
| Stroke.....                                | 8                  | 0.0                 | 21.1 | ----- | 12.5    | 25.4 | ----- | 25.0     | 28.6 | ----- |
| Hip Fracture.....                          | 3                  | 0.0                 | 6.5  | ----- | 33.3    | 11.8 | ----- | 33.3     | 15.6 | ----- |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 5.9  | ----- | 0.0     | 10.2 | ----- | 0.0      | 12.7 | ----- |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 6.1  | ----- | 100.0   | 13.3 | ----- | 100.0    | 19.6 | ----- |
| Prostatectomy.....                         | 7                  | 0.0                 | 1.2  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.4  | ----- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.7  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BRISTOW MEMORIAL HOSPITAL

Medicare Provider Number: 370041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.4 years |
| Proportion female.....        | 56.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.5 %  |
| Admitted for emergency.....                    | 58.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.4 %  |
| Chronic cardiovascular disease..... | 36.9 % |
| Chronic liver disease.....          | 0.5 %  |
| Chronic renal disease.....          | 1.0 %  |
| Chronic pulmonary disease.....      | 15.8 % |
| Cerebrovascular degeneration.....   | 8.9 %  |
| Diabetes mellitus.....              | 4.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 71.6%  |
| State .....         | 25.7%  |
| Outside State ..... | 2.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 32                  |
| Ownership/Control.....     | Private, Non-Profit |
| Case Mix Index (CMI) ..... | 0.9869              |

### STAFFING:

|                                 |   |
|---------------------------------|---|
| Medical Residents/Interns ..... | 0 |
| Registered Nurses.....          | 6 |
| Licensed Practical Nurses ..... | 6 |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | No  |
| Hospice Care .....        | No  |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# BROKEN ARROW MEDICAL CENTER INC

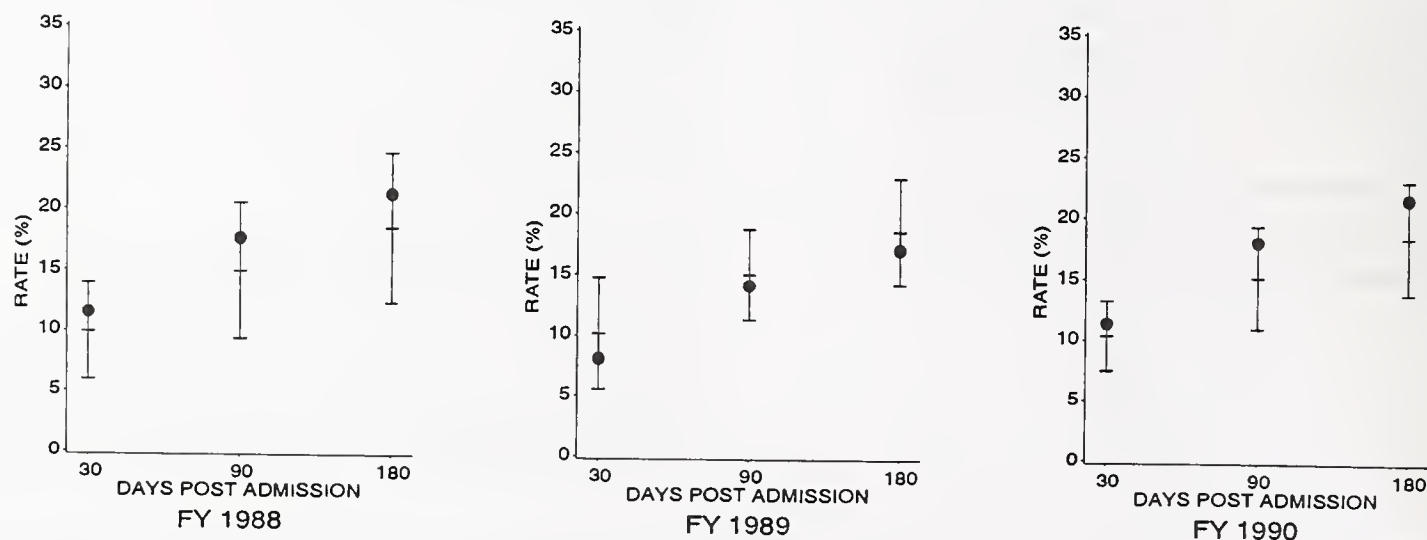
3000 S ELM PLACE  
BROKEN ARROW, OK 74012  
Medicare Provider Number: 370176

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 505             | 11.3                | 10.3 | 1.4   | 18.0    | 15.1 | 2.1   | 21.6     | 18.4 | 2.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 22.2                | 23.1 | ----- | 33.3    | 26.2 | ----- | 33.3     | 28.9 | ----- |
| Congestive Heart Failure.....              | 31              | 19.4                | 15.4 | ----- | 19.4    | 24.2 | ----- | 22.6     | 30.1 | ----- |
| Pneumonia/Influenza.....                   | 36              | 19.4                | 13.1 | ----- | 27.8    | 17.8 | ----- | 30.6     | 21.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 10.0                | 10.1 | ----- | 20.0    | 18.6 | ----- | 20.0     | 24.6 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.3  | ----- | 0.0     | 3.1  | ----- | 14.3     | 5.1  | ----- |
| Stroke.....                                | 26              | 23.1                | 21.6 | ----- | 34.6    | 26.8 | ----- | 34.6     | 29.9 | ----- |
| Hip Fracture.....                          | 24              | 4.2                 | 6.3  | ----- | 8.3     | 11.6 | ----- | 12.5     | 15.6 | ----- |
| Sepsis.....                                | 6               | 66.7                | 25.0 | ----- | 66.7    | 31.0 | ----- | 66.7     | 34.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 1.3  | ----- | 16.7    | 2.9  | ----- | 16.7     | 4.7  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 6.1  | ----- | 0.0     | 10.6 | ----- | 0.0      | 14.3 | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 4.8  | ----- | 12.5    | 9.2  | ----- | 12.5     | 12.5 | ----- |
| Prostatectomy.....                         | 10              | 0.0                 | 0.7  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.5  | ----- |
| Cholecystectomy.....                       | 20              | 0.0                 | 1.5  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.5  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# BROKEN ARROW MEDICAL CENTER INC

Medicare Provider Number: 370176

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 62.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 15.2 %  
Admitted for emergency..... 65.0 %

### COMORBIDITIES:

Cancer..... 5.1 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 0.8 %  
Chronic pulmonary disease..... 19.2 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 5.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 61.8%  
State..... 33.6%  
Outside State..... 4.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.7 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 54  
Occupancy Rate..... 58.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 48.7 %  
Case Mix Index (CMI)..... 1.2318

### STAFFING:

Total Number of Physicians..... 49  
Percent of Physicians Board  
Certified Specialists..... 59.2 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 93  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CARL ALBERT INDIAN HEALTH FACILITY

1001 NORTH COUNTRY CLUB ROAD

ADA, OK 74820

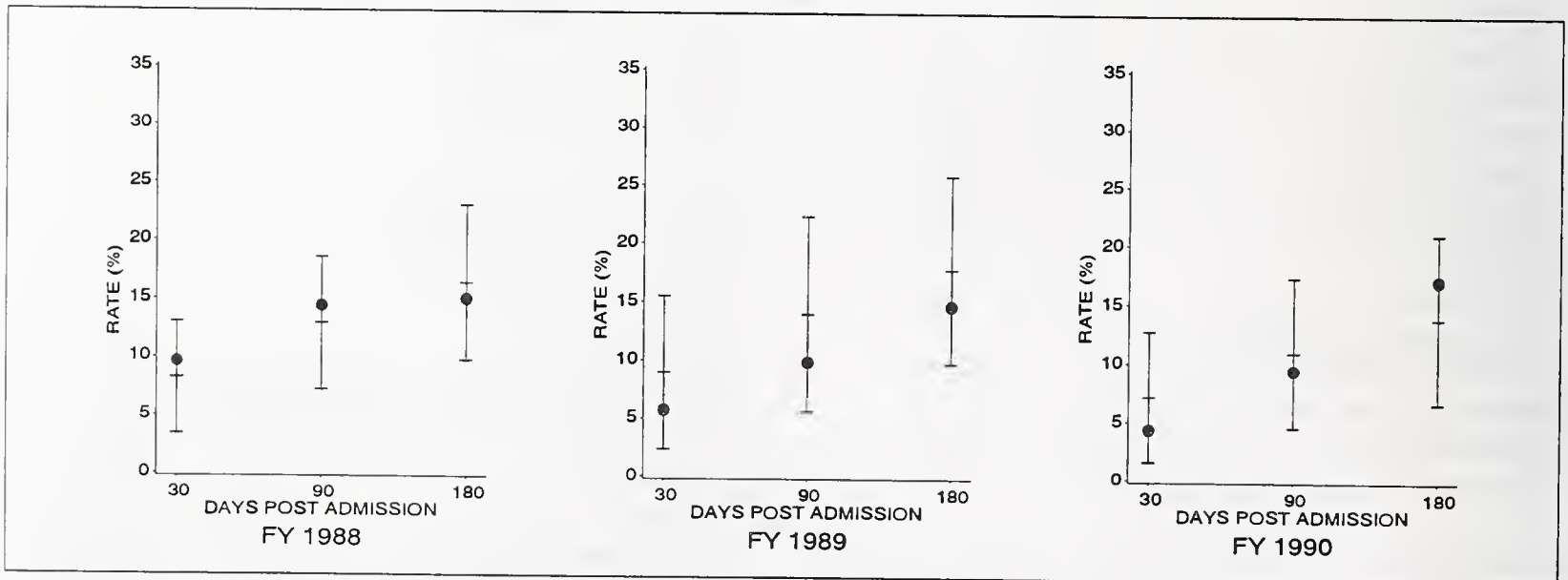
Medicare Provider Number: 370180

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 117                | 4.3                 | 7.1  | 2.8   | 9.4     | 10.9 | 3.2   | 17.1     | 13.8 | 3.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 0.0                 | 15.5 | ----- | 0.0     | 17.2 | ----- | 0.0      | 18.9 | ----- |
| Congestive Heart Failure.....              | 6                  | 0.0                 | 13.4 | ----- | 33.3    | 21.3 | ----- | 33.3     | 27.1 | ----- |
| Pneumonia/Influenza.....                   | 10                 | 0.0                 | 8.6  | ----- | 10.0    | 11.5 | ----- | 10.0     | 13.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 2.9  | ----- | 0.0     | 6.1  | ----- | 50.0     | 9.2  | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 3                  | 0.0                 | 20.7 | ----- | 33.3    | 24.4 | ----- | 66.7     | 27.3 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 8                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.1  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CARL ALBERT INDIAN HEALTH FACILITY

Medicare Provider Number: 370180

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 69.5 years  
Proportion female..... 53.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 13.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 14.5 %  
Admitted for emergency..... 5.1 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 25.6 %  
Chronic liver disease..... 1.7 %  
Chronic renal disease..... 4.3 %  
Chronic pulmonary disease..... 8.5 %  
Cerebrovascular degeneration..... 1.7 %  
Diabetes mellitus..... 18.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 29.9%  
State ..... 69.0%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 53  
Occupancy Rate ..... 45.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.0504

### STAFFING:

Total Number of Physicians..... 19  
Percent of Physicians Board  
Certified Specialists..... 42.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 65  
Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# CARNEGIE TRI-COUNTY MUNICIPAL HOSPITAL

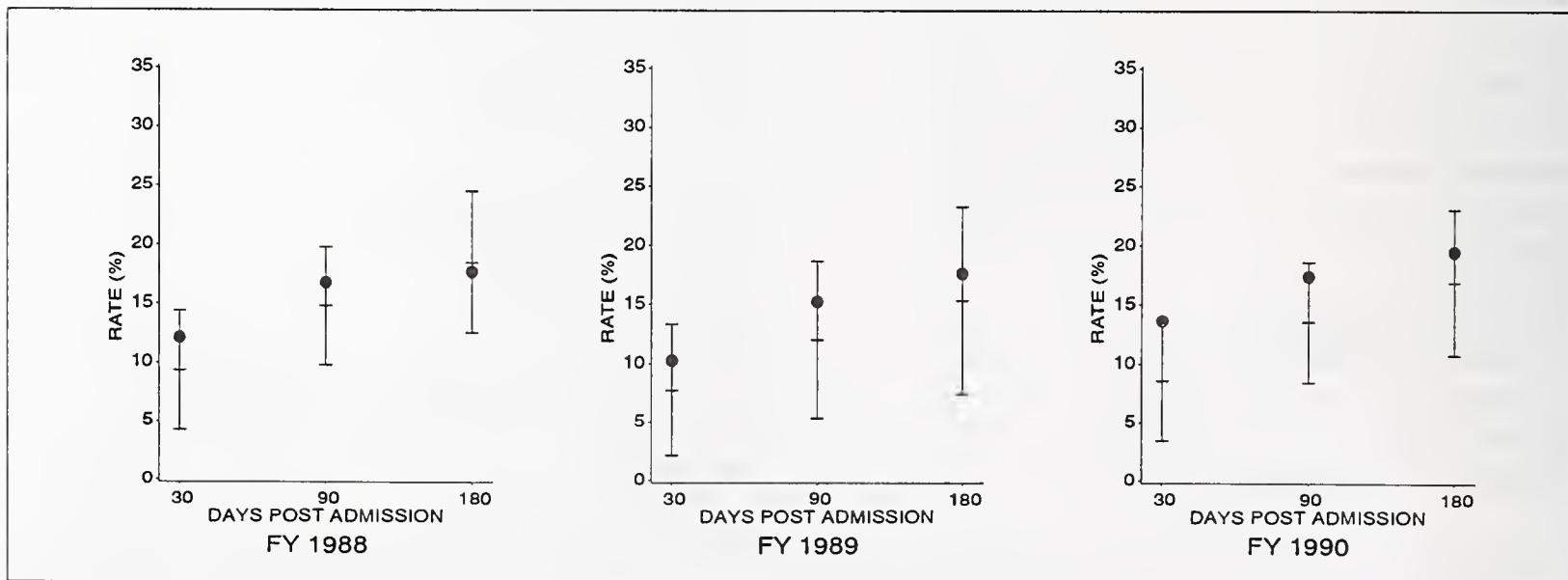
102 NORTH BROADWAY, BOX 97  
CARNEGIE, OK 73015  
Medicare Provider Number: 370064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 236                | 13.6                | 8.5  | 2.5  | 17.4    | 13.5 | 2.6  | 19.5     | 16.9 | 3.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 3                  | 0.0                 | 8.8  | ---- | 0.0     | 11.2 | ---- | 0.0      | 13.5 | ---- |
| Congestive Heart Failure.....              | 17                 | 35.3                | 12.9 | ---- | 47.1    | 20.6 | ---- | 47.1     | 26.3 | ---- |
| Pneumonia/Influenza.....                   | 27                 | 22.2                | 12.7 | ---- | 29.6    | 17.7 | ---- | 33.3     | 21.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 18.4 | ---- | 0.0     | 30.2 | ---- | 0.0      | 36.6 | ---- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.1  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.8  | ---- |
| Stroke.....                                | 4                  | 0.0                 | 17.4 | ---- | 0.0     | 23.9 | ---- | 0.0      | 28.2 | ---- |
| Hip Fracture.....                          | 1                  | 0.0                 | 3.5  | ---- | 0.0     | 6.5  | ---- | 0.0      | 9.8  | ---- |
| Sepsis.....                                | 1                  | 0.0                 | 29.3 | ---- | 0.0     | 38.7 | ---- | 0.0      | 42.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CARNEGIE TRI-COUNTY MUNICIPAL HOSPITAL

Medicare Provider Number: 370064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.2 years

Proportion female..... 59.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 4.7 %

Chronic cardiovascular disease..... 34.3 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 4.7 %

Chronic pulmonary disease..... 14.8 %

Cerebrovascular degeneration..... 7.6 %

Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 66.4%

State..... 32.4%

Outside State..... 1.2%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.4 Days

State..... 7.6 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 34

Ownership/Control..... Local Government

Case Mix Index (CMI)..... 0.9205

### STAFFING:

Medical Residents/Interns..... 0

Registered Nurses..... 5

Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No

Coronary Care Unit..... Yes

Hospice Care..... No

Intensive Care Unit..... No

Organ Transplant..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHOCTAW MEMORIAL HOSPITAL

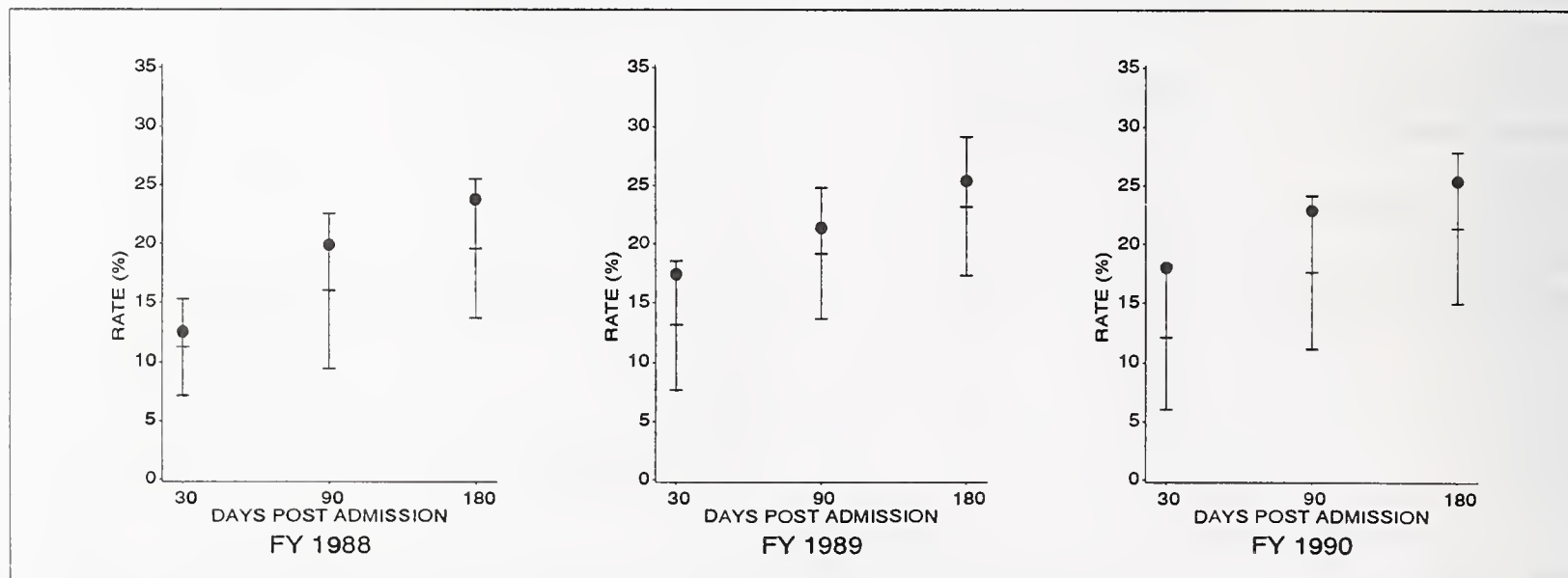
1405 EAST KIRK ROAD  
HUGO, OK 74743  
Medicare Provider Number: 370100

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 205                | 18.0                | 12.1 | 3.1   | 22.9    | 17.6 | 3.3   | 25.4     | 21.4 | 3.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 14.3                | 26.7 | ----- | 14.3    | 29.5 | ----- | 28.6     | 32.2 | ----- |
| Congestive Heart Failure.....              | 17                 | 29.4                | 16.1 | ----- | 35.3    | 25.0 | ----- | 41.2     | 31.0 | ----- |
| Pneumonia/Influenza.....                   | 26                 | 23.1                | 17.0 | ----- | 30.8    | 23.5 | ----- | 30.8     | 27.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 0.0                 | 7.3  | ----- | 0.0     | 13.4 | ----- | 0.0      | 18.1 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.6  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.8  | ----- |
| Stroke.....                                | 7                  | 42.9                | 23.9 | ----- | 42.9    | 32.9 | ----- | 42.9     | 37.7 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 8.0  | ----- | 100.0   | 11.3 | ----- | 100.0    | 15.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 3.2  | ----- | 0.0     | 5.2  | ----- | 0.0      | 6.7  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CHOCTAW MEMORIAL HOSPITAL

Medicare Provider Number: 370100

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years

Proportion female..... 61.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 16.6 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 2.0 %

### COMORBIDITIES:

Cancer..... 3.9 %

Chronic cardiovascular disease..... 42.0 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 3.4 %

Chronic pulmonary disease..... 21.0 %

Cerebrovascular degeneration..... 0.5 %

Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.5%

State ..... 6.5%

Outside State ..... 5.0%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days

State ..... 7.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 66

Occupancy Rate ..... 36.0 %

Ownership/Control..... Local Government

Medicare Discharges ..... 30.0 %

Case Mix Index (CMI) ..... 1.0248

### STAFFING:

Total Number of Physicians..... 3

Percent of Physicians Board  
Certified Specialists ..... (Not Available)

Medical Residents/Interns ..... 0

Registered Nurses..... 7

Licensed Practical Nurses ..... 19

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CHOCTAW NATION HEALTH SERVICE AUTHORITY

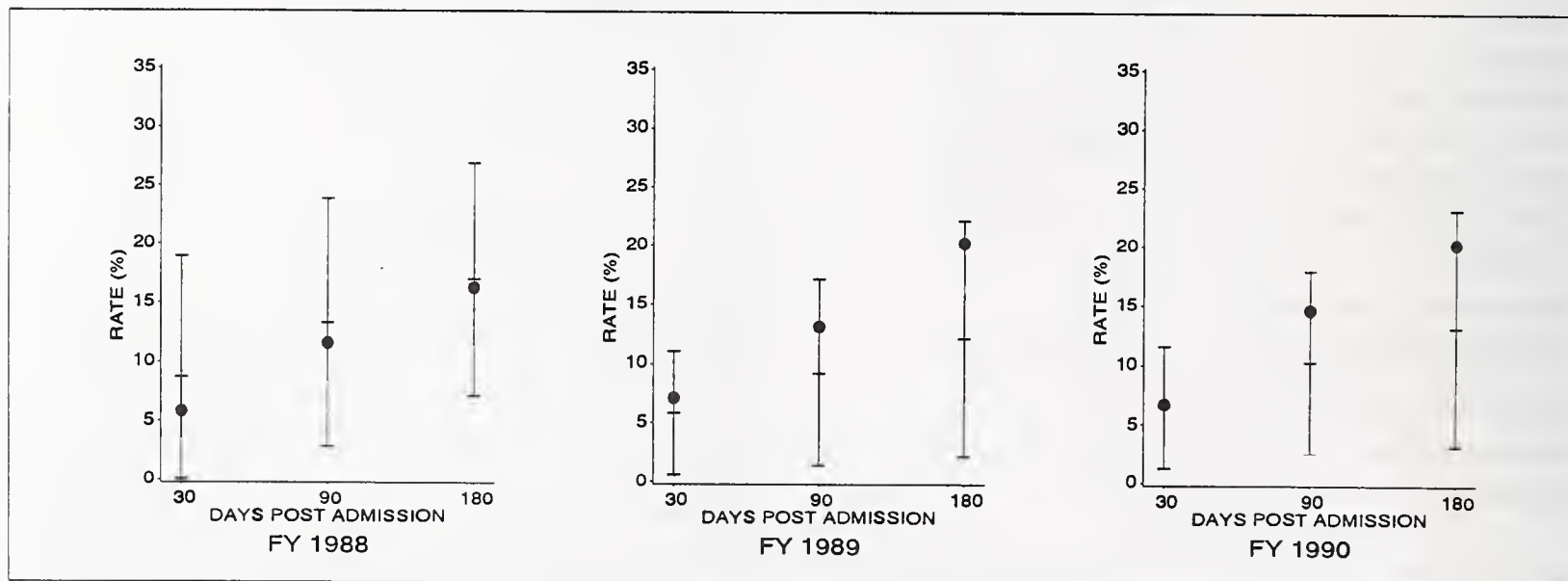
ROUTE 2, BOX 1735  
TALIHINA, OK 74571  
Medicare Provider Number: 370172

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 89                 | 6.7                 | 6.4  | 2.6  | 14.6    | 10.2 | 3.9  | 20.2     | 13.1 | 5.0  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 12.8 | ---- | 0.0     | 21.1 | ---- | 50.0     | 26.1 | ---- |
| Pneumonia/Influenza.....                   | 7                  | 14.3                | 13.0 | ---- | 28.6    | 18.2 | ---- | 28.6     | 21.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 5.2  | ---- | 0.0     | 8.5  | ---- | 0.0      | 11.2 | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.7  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.9  | ---- |
| Stroke.....                                | 1                  | 0.0                 | 17.6 | ---- | 0.0     | 23.9 | ---- | 0.0      | 29.8 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.3  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.7  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CHOCTAW NATION HEALTH SERVICE AUTHORITY

Medicare Provider Number: 370172

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.4 years  
Proportion female..... 43.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 4.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 64.0 %  
Admitted for emergency..... 30.3 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 16.9 %  
Chronic liver disease..... 3.4 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 6.7 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 14.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 32.2%  
State ..... 65.1%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 57  
Occupancy Rate ..... 21.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges ..... 16.8 %  
Case Mix Index (CMI) ..... 0.8904

### STAFFING:

Total Number of Physicians..... 9  
Percent of Physicians Board  
Certified Specialists ..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 25  
Licensed Practical Nurses ..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# CIMARRON MEMORIAL HOSPITAL

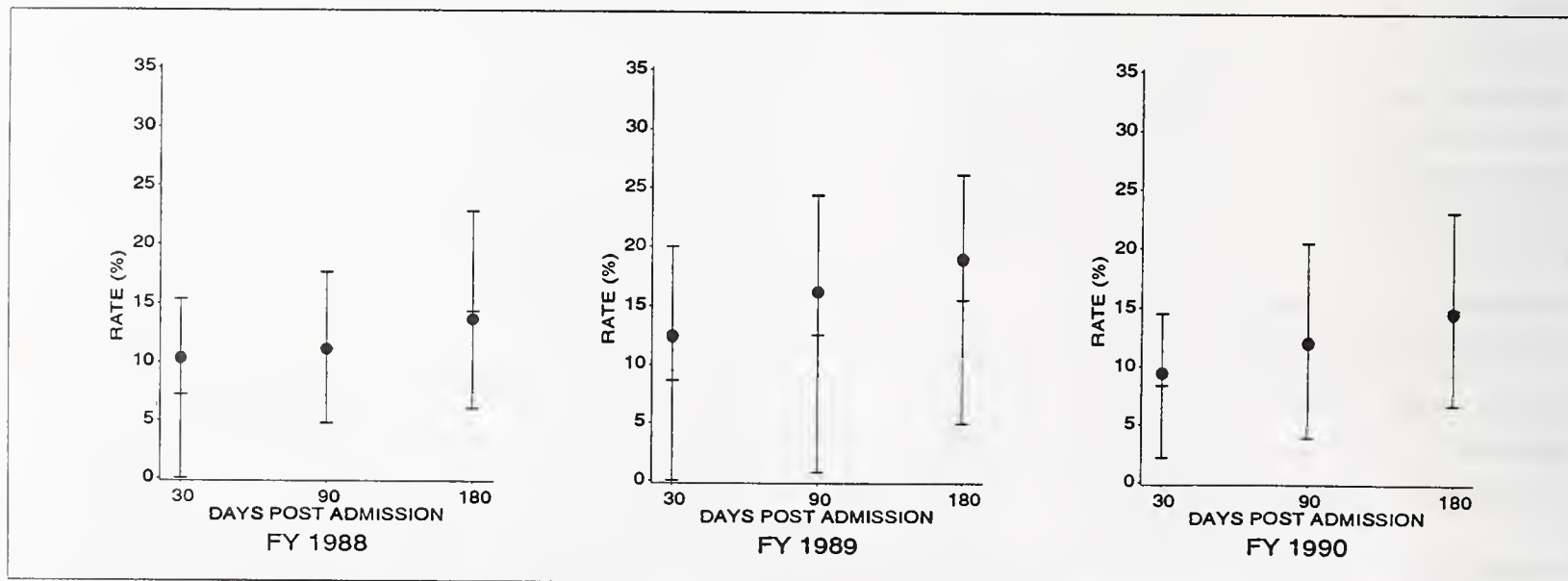
100 SOUTH ELLIS  
BOISE CITY, OK 73933  
Medicare Provider Number: 370146

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 117                | 9.4                 | 8.3  | 3.1   | 12.0    | 12.1 | 4.2   | 14.5     | 14.8 | 4.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 12.5                | 32.1 | ----- | 12.5    | 36.9 | ----- | 12.5     | 39.8 | ----- |
| Congestive Heart Failure.....              | 3                  | 33.3                | 12.4 | ----- | 33.3    | 19.5 | ----- | 33.3     | 24.8 | ----- |
| Pneumonia/Influenza.....                   | 10                 | 0.0                 | 12.1 | ----- | 10.0    | 16.4 | ----- | 10.0     | 19.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 50.0                | 4.2  | ----- | 50.0    | 8.3  | ----- | 50.0     | 11.4 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.8  | ----- | 0.0     | 4.1  | ----- | 0.0      | 7.1  | ----- |
| Stroke.....                                | 7                  | 28.6                | 21.6 | ----- | 42.9    | 27.6 | ----- | 42.9     | 30.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3                  | 0.0                 | 2.0  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.7  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CIMARRON MEMORIAL HOSPITAL

Medicare Provider Number: 370146

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 51.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 13.7 %  
Admitted for emergency..... 17.9 %

### COMORBIDITIES:

Cancer..... 4.3 %  
Chronic cardiovascular disease..... 29.1 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 16.2 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.7%  
State ..... 9.1%  
Outside State ..... 15.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 20  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9485

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CITY OF FAITH HOSPITAL

8181 S LEWIS, BOX 36000  
TULSA, OK 74137  
Medicare Provider Number: 370184

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 4                  | 0.0                 | 5.7  | ---- | 0.0     | 10.6 | ---- | 0.0      | 13.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 0                  |                     |      |      |         |      |      |          |      |      |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 21.9 | ---- | 0.0     | 40.4 | ---- | 0.0      | 49.7 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.7  | ---- |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# CITY OF FAITH HOSPITAL

Medicare Provider Number: 370184

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 68.8 years  
Proportion female..... 25.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 75.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 75.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.5%  
State ..... 25.0%  
Outside State ..... 12.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 25.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 294  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.0247

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 141  
Licensed Practical Nurses ..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLAREMORE REGIONAL HOSPITAL

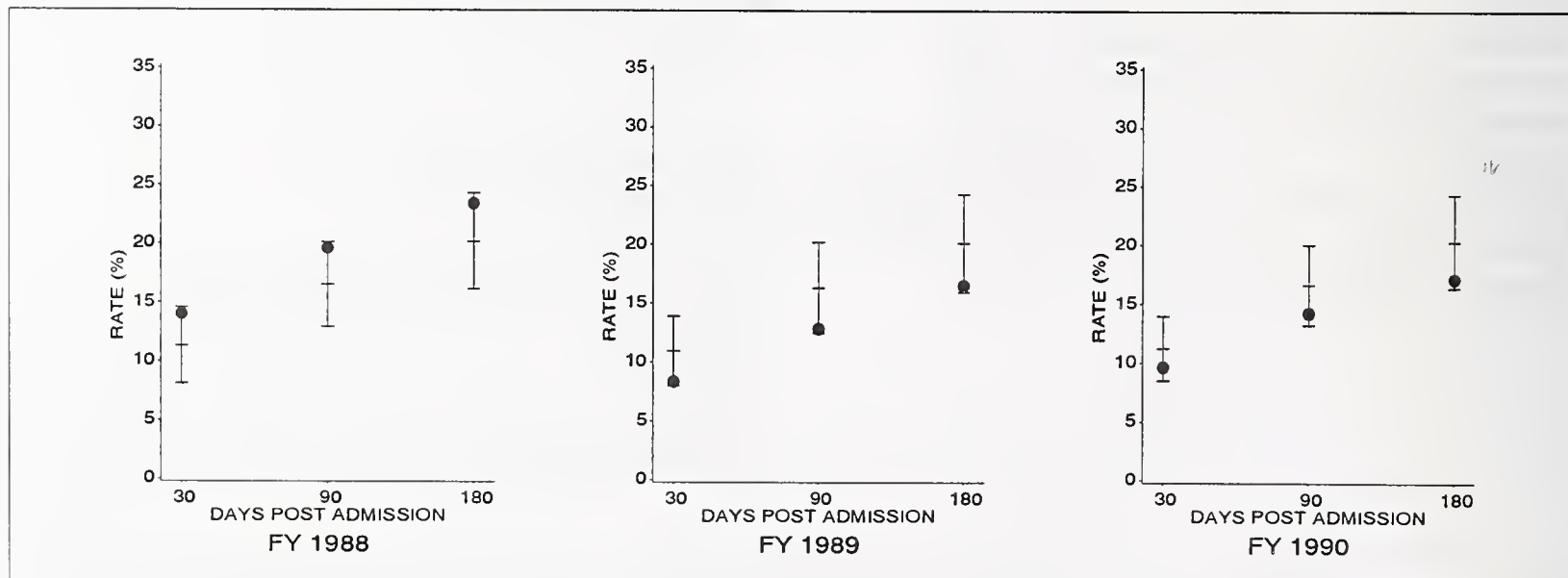
1202 N MUSKOGEE  
CLAREMORE, OK 74017  
Medicare Provider Number: 370039

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 788             | 9.6                 | 11.2 | 1.4   | 14.2    | 16.6 | 1.7   | 17.1     | 20.3 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 39              | 15.4                | 28.1 | ----- | 17.9    | 31.2 | ----- | 17.9     | 34.0 | ----- |
| Congestive Heart Failure.....              | 41              | 9.8                 | 16.5 | ----- | 19.5    | 25.9 | ----- | 26.8     | 32.8 | ----- |
| Pneumonia/Influenza.....                   | 60              | 11.7                | 15.0 | 5.9   | 16.7    | 21.6 | 7.6   | 20.0     | 25.7 | 8.7   |
| Chronic Obstructive Pulmonary Disease..... | 16              | 0.0                 | 9.2  | ----- | 6.3     | 16.0 | ----- | 6.3      | 21.1 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 2.2  | ----- | 0.0     | 5.0  | ----- | 6.3      | 7.7  | ----- |
| Stroke.....                                | 33              | 9.1                 | 15.8 | ----- | 21.2    | 21.4 | ----- | 30.3     | 24.9 | ----- |
| Hip Fracture.....                          | 32              | 9.4                 | 6.0  | ----- | 9.4     | 10.5 | ----- | 9.4      | 13.5 | ----- |
| Sepsis.....                                | 11              | 27.3                | 33.0 | ----- | 45.5    | 44.4 | ----- | 45.5     | 50.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 14              | 14.3                | 6.1  | ----- | 14.3    | 10.6 | ----- | 14.3     | 13.5 | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 0.0                 | 5.0  | ----- | 0.0     | 9.1  | ----- | 0.0      | 12.1 | ----- |
| Prostatectomy.....                         | 7               | 0.0                 | 1.3  | ----- | 28.6    | 3.0  | ----- | 28.6     | 5.2  | ----- |
| Cholecystectomy.....                       | 23              | 0.0                 | 3.9  | ----- | 0.0     | 6.9  | ----- | 0.0      | 9.0  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 1.6  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLAREMORE REGIONAL HOSPITAL

Medicare Provider Number: 370039

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 63.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.3 %  
Admitted for emergency..... 50.9 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 37.2 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 31.2 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 11.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.0%  
State ..... 35.3%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 93  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 1.2464

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses ..... 49  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# CLEVELAND AREA HOSPITAL AUTHORITY

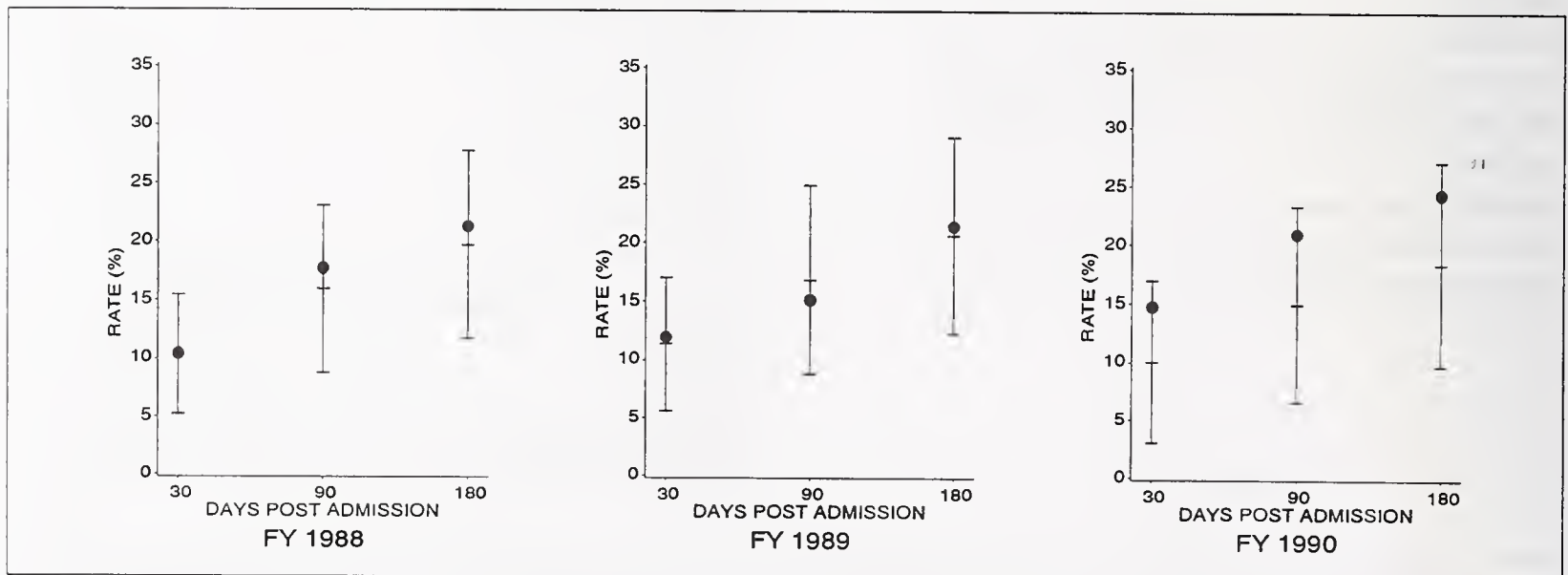
1401 W PAWNEE  
CLEVELAND, OK 74020  
Medicare Provider Number: 370140

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 177                | 14.7                | 10.0 | 3.5   | 20.9    | 14.9 | 4.2   | 24.3     | 18.3 | 4.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 20.0                | 39.4 | ----- | 60.0    | 42.3 | ----- | 60.0     | 44.7 | ----- |
| Congestive Heart Failure.....              | 8                  | 12.5                | 16.9 | ----- | 37.5    | 26.9 | ----- | 37.5     | 32.8 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 15.0                | 12.4 | ----- | 15.0    | 17.2 | ----- | 25.0     | 20.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 20.0                | 8.6  | ----- | 40.0    | 13.9 | ----- | 40.0     | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 2.0  | ----- | 0.0     | 4.5  | ----- | 16.7     | 7.0  | ----- |
| Stroke.....                                | 7                  | 28.6                | 20.2 | ----- | 28.6    | 26.4 | ----- | 42.9     | 30.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2                  | 0.0                 | 28.2 | ----- | 50.0    | 39.6 | ----- | 50.0     | 44.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLEVELAND AREA HOSPITAL AUTHORITY

Medicare Provider Number: 370140

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.4 years |
| Proportion female.....        | 59.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.2 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 1.7 %  |
| Admitted for emergency.....                    | 62.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.1 %  |
| Chronic cardiovascular disease..... | 20.3 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 0.6 %  |
| Chronic pulmonary disease.....      | 10.7 % |
| Cerebrovascular degeneration.....   | 2.3 %  |
| Diabetes mellitus.....              | 7.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 63.7%  |
| State .....         | 35.6%  |
| Outside State ..... | 0.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.9 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 18                 |
| Occupancy Rate .....       | 33.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 77.5 %             |
| Case Mix Index (CMI) ..... | 0.9896             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 3      |
| Percent of Physicians Board<br>Certified Specialists ..... | 33.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 10     |
| Licensed Practical Nurses .....                            | 12     |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLINTON INDIAN HOSPITAL

RT 4, BOX 213  
CLINTON, OK 73601  
Medicare Provider Number: 370174

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 21                 | 9.5                 | 8.1  | ----- | 9.5     | 13.9 | ----- | 19.0     | 18.5 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 11.9 | ----- | 0.0     | 19.2 | ----- | 100.0    | 26.3 | ----- |
| Pneumonia/Influenza.....                   | 4                  | 25.0                | 11.9 | ----- | 25.0    | 15.4 | ----- | 25.0     | 18.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 9.5  | ----- | 0.0     | 18.4 | ----- | 0.0      | 24.3 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 2.0  | ----- | 0.0     | 5.2  | ----- | 100.0    | 9.2  | ----- |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# CLINTON INDIAN HOSPITAL

Medicare Provider Number: 370174

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years

Proportion female..... 52.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %

Chronic cardiovascular disease..... 19.0 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 4.8 %

Chronic pulmonary disease..... 4.8 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 9.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 52.6%

State ..... 39.5%

Outside State ..... 7.9%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.2 Days

State ..... 7.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1987

### PROFILE:

Total Beds ..... 20

Ownership/Control..... Federal Government

Case Mix Index (CMI) ..... 0.9278

### STAFFING:

Medical Residents/Interns ..... 4

Registered Nurses..... 10

Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... Yes

Coronary Care Unit ..... Yes

Hospice Care ..... Yes

Intensive Care Unit ..... Yes

Organ Transplant ..... Yes

Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... Yes

Psychiatric..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CLINTON REGIONAL HOSPITAL

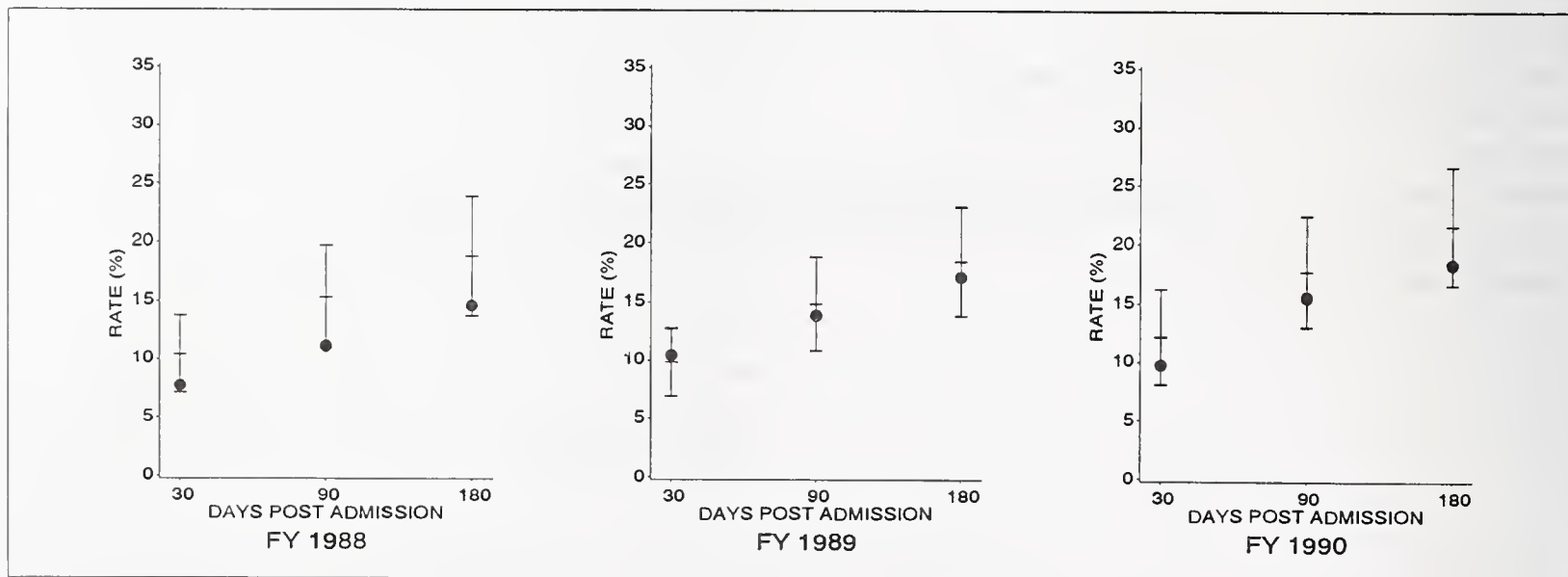
100 N 30TH STREET, BOX 1569  
CLINTON, OK 73601  
Medicare Provider Number: 370029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 453             | 9.7                 | 12.1 | 2.0   | 15.5    | 17.7 | 2.4   | 18.3     | 21.6 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 21.1                | 33.6 | ----- | 36.8    | 36.0 | ----- | 36.8     | 38.8 | ----- |
| Congestive Heart Failure.....              | 30              | 3.3                 | 12.4 | ----- | 10.0    | 19.1 | ----- | 10.0     | 25.2 | ----- |
| Pneumonia/Influenza.....                   | 30              | 0.0                 | 11.3 | ----- | 10.0    | 15.7 | ----- | 10.0     | 19.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 11.1                | 4.2  | ----- | 11.1    | 7.7  | ----- | 11.1     | 10.9 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.3  | ----- |
| Stroke.....                                | 20              | 10.0                | 15.6 | ----- | 20.0    | 21.7 | ----- | 25.0     | 25.7 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 8               | 0.0                 | 26.7 | ----- | 0.0     | 32.3 | ----- | 25.0     | 36.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 11              | 0.0                 | 1.8  | ----- | 9.1     | 4.2  | ----- | 9.1      | 7.0  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.8  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.2  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CLINTON REGIONAL HOSPITAL

Medicare Provider Number: 370029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.6 years  
Proportion female..... 61.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.6 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 13.4 %  
Admitted for emergency..... 26.4 %

### COMORBIDITIES:

Cancer..... 5.3 %  
Chronic cardiovascular disease..... 41.6 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 27.1 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 11.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 69.0%  
State ..... 28.8%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 34.0 %  
Case Mix Index (CMI) ..... 1.2157

### STAFFING:

Total Number of Physicians..... 15  
Percent of Physicians Board  
Certified Specialists..... 46.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses..... 32

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# COMANCHE MEMORIAL COUNTY HOSPITAL

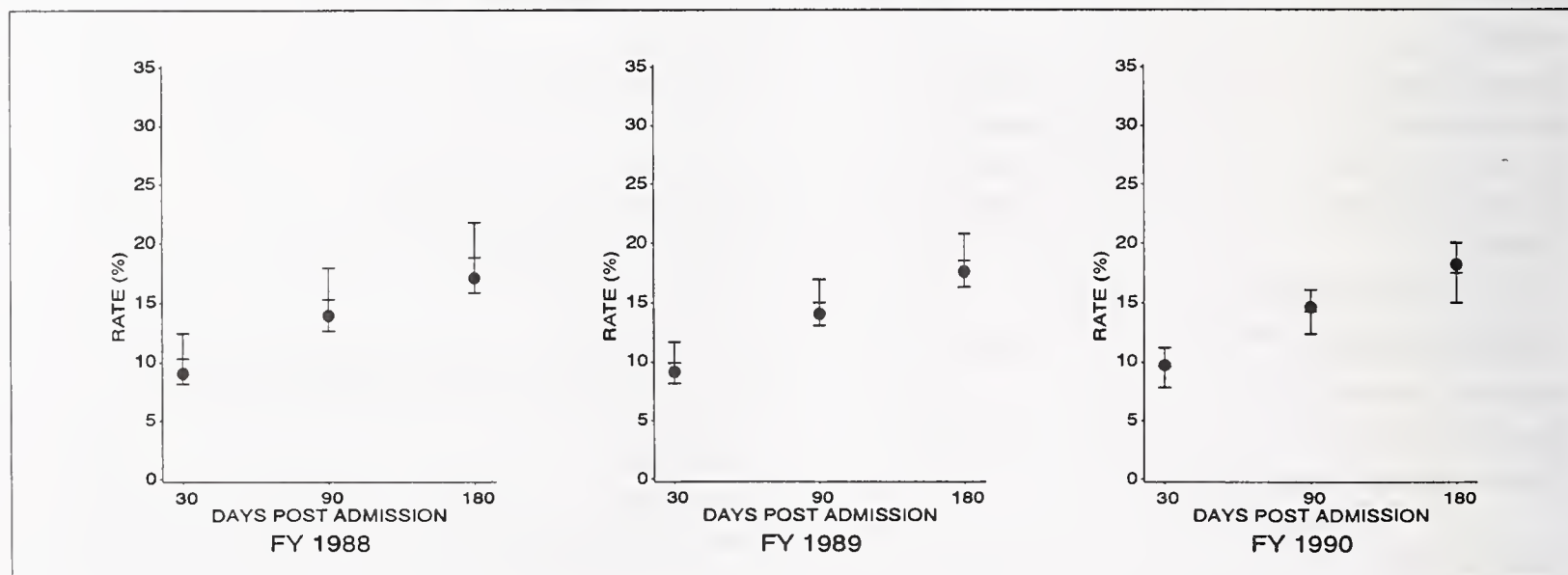
3401 GORE BLVD, BOX 129  
LAWTON, OK 73502  
Medicare Provider Number: 370056

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1827            | 9.7                 | 9.5  | 0.8   | 14.6    | 14.2 | 0.9   | 18.2     | 17.5 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 50              | 30.0                | 25.4 | ----- | 32.0    | 28.7 | ----- | 34.0     | 31.2 | ----- |
| Congestive Heart Failure.....              | 80              | 17.5                | 14.8 | 5.1   | 25.0    | 23.6 | 5.1   | 30.0     | 29.7 | 5.2   |
| Pneumonia/Influenza.....                   | 112             | 17.9                | 17.9 | 3.8   | 24.1    | 24.4 | 4.9   | 26.8     | 28.5 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 27              | 11.1                | 6.1  | ----- | 18.5    | 10.7 | ----- | 22.2     | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 24              | 4.2                 | 2.1  | ----- | 4.2     | 4.9  | ----- | 8.3      | 8.0  | ----- |
| Stroke.....                                | 92              | 16.3                | 16.7 | 4.9   | 25.0    | 23.4 | 5.5   | 28.3     | 27.5 | 5.0   |
| Hip Fracture.....                          | 58              | 10.3                | 6.1  | 7.7   | 15.5    | 11.0 | 8.2   | 19.0     | 14.4 | 7.8   |
| Sepsis.....                                | 18              | 22.2                | 33.3 | ----- | 44.4    | 40.6 | ----- | 50.0     | 44.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 21              | 0.0                 | 2.8  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.5  | ----- |
| Coronary Artery Bypass Graft.....          | 40              | 10.0                | 3.5  | ----- | 10.0    | 5.1  | ----- | 10.0     | 6.0  | ----- |
| Initial Pacemaker Insertion.....           | 17              | 0.0                 | 1.7  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.4  | ----- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 0.9  | ----- | 11.1    | 1.8  | ----- | 11.1     | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 36              | 2.8                 | 3.9  | ----- | 8.3     | 7.2  | ----- | 8.3      | 9.6  | ----- |
| Open Reduction of Hip Fracture.....        | 29              | 6.9                 | 4.9  | ----- | 10.3    | 9.2  | ----- | 17.2     | 12.3 | ----- |
| Prostatectomy.....                         | 57              | 1.8                 | 0.9  | 1.6   | 3.5     | 2.1  | 2.5   | 3.5      | 3.6  | 2.6   |
| Cholecystectomy.....                       | 34              | 2.9                 | 1.7  | ----- | 5.9     | 3.1  | ----- | 8.8      | 3.9  | ----- |
| Hysterectomy.....                          | 25              | 4.0                 | 0.5  | ----- | 4.0     | 1.0  | ----- | 4.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMANCHE MEMORIAL COUNTY HOSPITAL

Medicare Provider Number: 370056

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.8 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 54.4 %

### COMORBIDITIES:

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 31.0 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 4.6 %  
Chronic pulmonary disease..... 14.4 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 5.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 64.9%  
State ..... 32.9%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 238  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 34.6 %  
Case Mix Index (CMI) ..... 1.3592

### STAFFING:

Total Number of Physicians..... 86  
Percent of Physicians Board  
Certified Specialists..... 83.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 73  
Licensed Practical Nurses..... 72

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY HEALTH CENTER HOSPITAL

500 CHEROKEE ST, BOX 406  
WAKITA, OK 73771  
Medicare Provider Number: 370182

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 37                 | 13.5                | 13.3 | ----- | 16.2    | 20.5 | ----- | 18.9     | 25.4 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 0.0                 | 46.5 | ----- | 0.0     | 52.1 | ----- | 50.0     | 56.5 | ----- |
| Congestive Heart Failure.....              | 4                  | 75.0                | 22.6 | ----- | 75.0    | 32.8 | ----- | 75.0     | 39.7 | ----- |
| Pneumonia/Influenza.....                   | 5                  | 20.0                | 10.1 | ----- | 20.0    | 13.3 | ----- | 20.0     | 15.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 25.8 | ----- | 0.0     | 33.0 | ----- | 0.0      | 37.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# COMMUNITY HEALTH CENTER HOSPITAL

Medicare Provider Number: 370182

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 82.5 years  
Proportion female..... 62.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 16.2 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 51.4 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 13.5 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 2.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 67.2%  
State..... 15.7%  
Outside State..... 17.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds..... 7  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 1.0116

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 4  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... No  
Hospice Care..... No  
Intensive Care Unit..... No  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY HOSPITAL

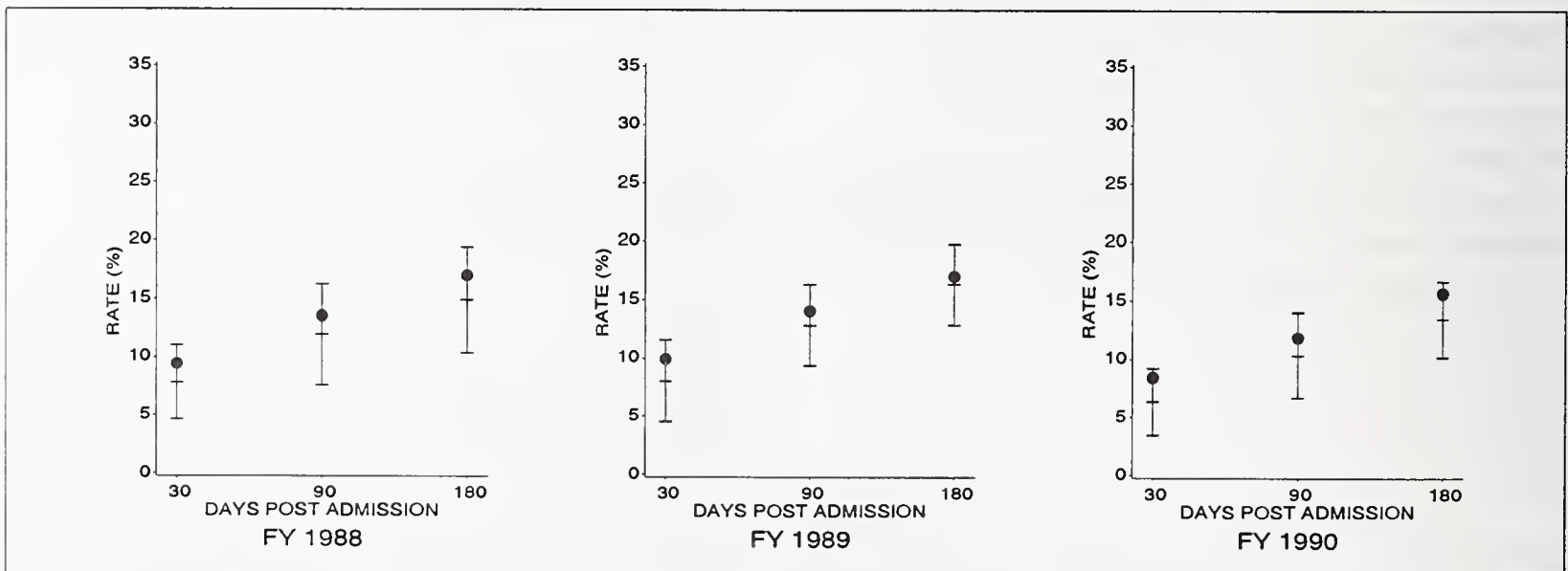
1705 W 2ND STREET, BOX 2339  
ELK CITY, OK 73648  
Medicare Provider Number: 370019

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 655                | 8.4                 | 6.3  | 1.4   | 11.8    | 10.3 | 1.8   | 15.6     | 13.4 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16                 | 25.0                | 16.5 | ----- | 31.3    | 19.7 | ----- | 37.5     | 22.4 | ----- |
| Congestive Heart Failure.....              | 17                 | 29.4                | 14.6 | ----- | 35.3    | 23.8 | ----- | 35.3     | 30.1 | ----- |
| Pneumonia/Influenza.....                   | 33                 | 15.2                | 12.2 | ----- | 18.2    | 17.5 | ----- | 21.2     | 20.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 0.0                 | 4.0  | ----- | 16.7    | 8.3  | ----- | 33.3     | 12.2 | ----- |
| Transient Cerebral Ischemia.....           | 12                 | 0.0                 | 1.5  | ----- | 0.0     | 3.6  | ----- | 0.0      | 6.1  | ----- |
| Stroke.....                                | 21                 | 23.8                | 17.1 | ----- | 28.6    | 22.3 | ----- | 28.6     | 26.1 | ----- |
| Hip Fracture.....                          | 31                 | 3.2                 | 5.9  | ----- | 6.5     | 10.6 | ----- | 9.7      | 13.9 | ----- |
| Sepsis.....                                | 5                  | 80.0                | 22.1 | ----- | 80.0    | 29.4 | ----- | 80.0     | 34.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 5                  | 0.0                 | 2.3  | ----- | 0.0     | 5.0  | ----- | 0.0      | 8.3  | ----- |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 4.7  | ----- | 0.0     | 8.9  | ----- | 0.0      | 12.1 | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 5.8  | ----- | 0.0     | 10.4 | ----- | 0.0      | 13.7 | ----- |
| Prostatectomy.....                         | 43                 | 2.3                 | 1.3  | ----- | 7.0     | 3.0  | ----- | 7.0      | 5.1  | ----- |
| Cholecystectomy.....                       | 19                 | 5.3                 | 2.5  | ----- | 5.3     | 4.7  | ----- | 5.3      | 6.4  | ----- |
| Hysterectomy.....                          | 4                  | 25.0                | 5.1  | ----- | 25.0    | 9.9  | ----- | 25.0     | 14.2 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY HOSPITAL

Medicare Provider Number: 370019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 50.1 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 29.8 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 14.4 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 5.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.7%  
State ..... 34.2%  
Outside State ..... 4.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 78  
Occupancy Rate ..... 42.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 46.8 %  
Case Mix Index (CMI) ..... 1.0557

### STAFFING:

Total Number of Physicians..... 20  
Percent of Physicians Board  
Certified Specialists ..... 70.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 22  
Licensed Practical Nurses ..... 38

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# COMMUNITY HOSPITAL LAKEVIEW

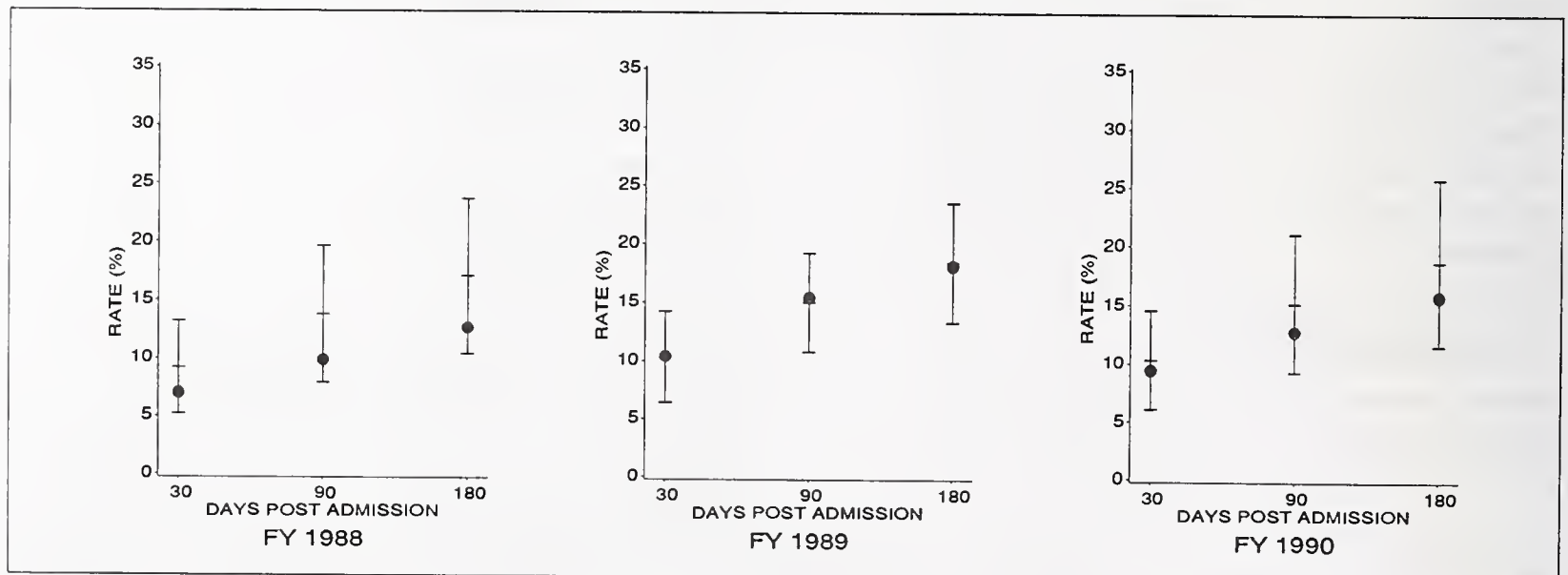
1 HOSPITAL DRIVE, BOX 629  
EUFAULA, OK 74432  
Medicare Provider Number: 370169

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 331                | 9.4                 | 10.3 | 2.1   | 12.7    | 15.1 | 2.9   | 15.7     | 18.6 | 3.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9                  | 33.3                | 29.9 | ----- | 33.3    | 32.7 | ----- | 33.3     | 35.8 | ----- |
| Congestive Heart Failure.....              | 17                 | 11.8                | 18.6 | ----- | 17.6    | 27.2 | ----- | 17.6     | 34.1 | ----- |
| Pneumonia/Influenza.....                   | 31                 | 16.1                | 11.6 | ----- | 19.4    | 16.4 | ----- | 19.4     | 19.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12                 | 8.3                 | 4.4  | ----- | 8.3     | 8.4  | ----- | 8.3      | 11.8 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.6  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.5  | ----- |
| Stroke.....                                | 7                  | 28.6                | 19.3 | ----- | 28.6    | 24.3 | ----- | 42.9     | 27.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4                  | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY HOSPITAL LAKEVIEW

Medicare Provider Number: 370169

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 75.1 years | Cancer.....                         | 5.4 %  |
| Proportion female.....                         | 61.6 %     | Chronic cardiovascular disease..... | 32.3 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 34.1 %     | Chronic renal disease.....          | 1.8 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 16.6 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 2.7 %  |
| Admitted for emergency.....                    | 63.7 %     | Diabetes mellitus.....              | 12.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 74.3%  | Hospital .....                          | 5.0 Days |
| State .....                                  | 22.3%  | State .....                             | 7.6 Days |
| Outside State .....                          | 3.4%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                     |
|--------------------------------------------------------------------|---------------------|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |
| <b>PROFILE:</b>                                                    |                     |
| Total Beds .....                                                   | 33                  |
| Occupancy Rate .....                                               | 30.0 %              |
| Ownership/Control.....                                             | Private, For Profit |
| Medicare Discharges .....                                          | (Not Available)     |
| Case Mix Index (CMI) .....                                         | 1.0086              |
| <b>STAFFING:</b>                                                   |                     |
| Total Number of Physicians.....                                    | 4                   |
| Percent of Physicians Board<br>Certified Specialists .....         | 75.0 %              |
| Medical Residents/Interns .....                                    | 0                   |
| Registered Nurses.....                                             | 0                   |
| Licensed Practical Nurses .....                                    | 0                   |
| <b>SPECIALTY SERVICES:</b>                                         |                     |
| Burn Unit .....                                                    | No                  |
| Cardiac Intensive Care .....                                       | No                  |
| Comprehensive Geriatric .....                                      | No                  |
| Hospice Care .....                                                 | No                  |
| Medical/Surgical Intensive Care .....                              | No                  |
| Organ/Tissue Transplant .....                                      | No                  |
| Other Intensive Care .....                                         | No                  |
| Trauma Center .....                                                | No                  |
| <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b>                    |                     |
| Alcohol/Drug .....                                                 | No                  |
| Rehabilitation.....                                                | No                  |
| Psychiatric .....                                                  | No                  |
| Medicare Swing Beds .....                                          | No                  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CORDELL MEMORIAL HOSPITAL

1220 N GLENN ENGLISH ST, BOX 10

CORDELL, OK 73632

Medicare Provider Number: 370186

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 148                | 9.5                 | 8.8  | 4.2   | 15.5    | 13.5 | 5.1   | 16.9     | 17.2 | 5.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 35.8 | ----- | 50.0    | 39.8 | ----- | 50.0     | 42.5 | ----- |
| Congestive Heart Failure.....              | 7                  | 28.6                | 15.5 | ----- | 28.6    | 23.7 | ----- | 28.6     | 31.0 | ----- |
| Pneumonia/Influenza.....                   | 17                 | 17.6                | 11.7 | ----- | 29.4    | 17.2 | ----- | 29.4     | 21.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 0.0                 | 8.3  | ----- | 0.0     | 14.1 | ----- | 0.0      | 19.1 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 2.1  | ----- | 0.0     | 4.7  | ----- | 0.0      | 7.6  | ----- |
| Stroke.....                                | 8                  | 12.5                | 12.9 | ----- | 12.5    | 18.2 | ----- | 25.0     | 21.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 22.8 | ----- | 0.0     | 27.7 | ----- | 0.0      | 33.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1                  | 0.0                 | 1.2  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.8  | ----- |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# CORDELL MEMORIAL HOSPITAL

Medicare Provider Number: 370186

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.0 years  
Proportion female..... 66.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 38.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 0.7 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.8%  
State ..... 13.7%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 28  
Occupancy Rate ..... 28.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 53.0 %  
Case Mix Index (CMI) ..... 0.9679

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 4  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# CRAIG GENERAL HOSPITAL

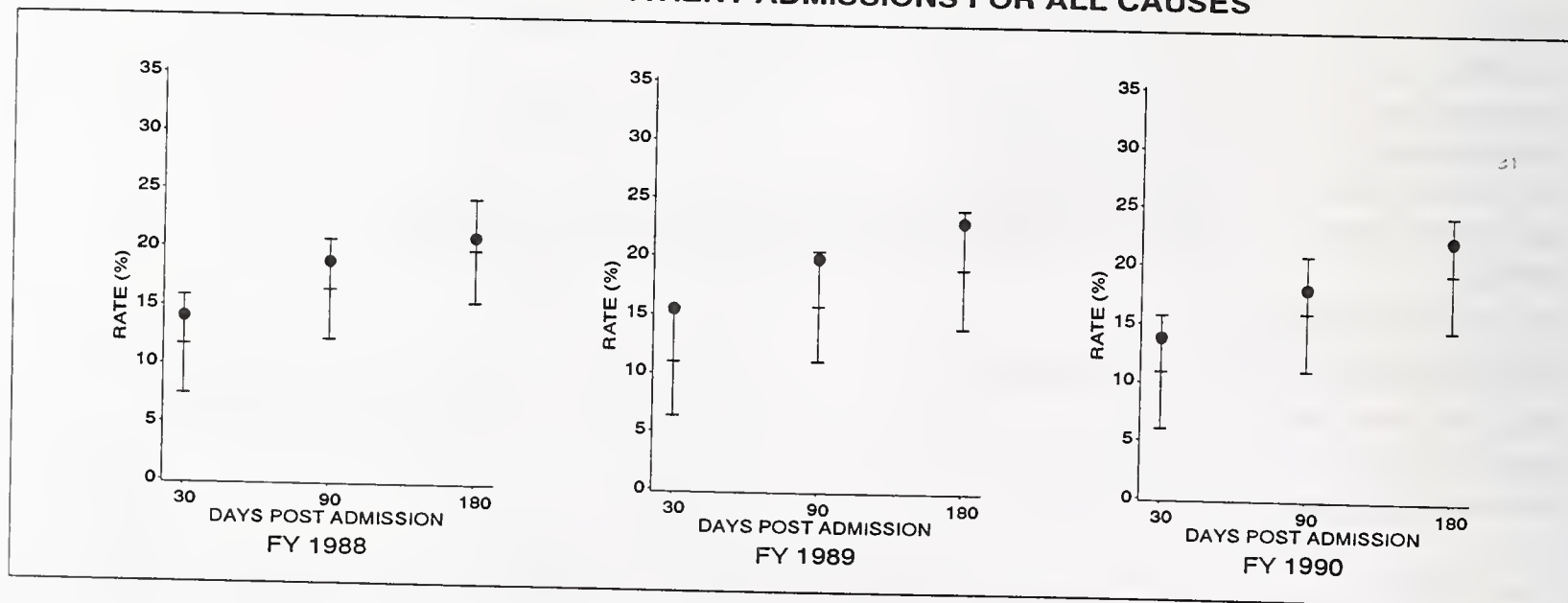
735 NORTH FOREMAN, BOX 326  
VINITA, OK 74301  
Medicare Provider Number: 370065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 357                | 13.7                | 10.8 | 2.4   | 17.9    | 15.8 | 2.5   | 22.1     | 19.3 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16                 | 12.5                | 27.7 | ----- | 12.5    | 30.4 | ----- | 18.8     | 33.6 | ----- |
| Congestive Heart Failure.....              | 20                 | 15.0                | 15.2 | ----- | 20.0    | 23.8 | ----- | 25.0     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 40                 | 22.5                | 15.1 | ----- | 25.0    | 20.7 | ----- | 30.0     | 24.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 0.0                 | 6.1  | ----- | 0.0     | 11.3 | ----- | 0.0      | 15.4 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 16.7     | 5.1  | ----- |
| Stroke.....                                | 24                 | 33.3                | 18.7 | ----- | 33.3    | 23.4 | ----- | 37.5     | 26.8 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 4                  | 25.0                | 20.0 | ----- | 25.0    | 28.0 | ----- | 25.0     | 32.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 13                 | 7.7                 | 3.5  | ----- | 7.7     | 6.6  | ----- | 7.7      | 8.6  | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.5  | ----- | 16.7    | 1.1  | ----- | 16.7     | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CRAIG GENERAL HOSPITAL

Medicare Provider Number: 370065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 76.0 years | Cancer.....                         | 6.2 %  |
| Proportion female.....                         | 58.8 %     | Chronic cardiovascular disease..... | 28.0 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.8 %  |
| Referred by personal or HMO physician.....     | 41.7 %     | Chronic renal disease.....          | 4.2 %  |
| Transferred from skilled nursing facility..... | 0.3 %      | Chronic pulmonary disease.....      | 10.6 % |
| Admitted for elective procedure.....           | 0.3 %      | Cerebrovascular degeneration.....   | 7.0 %  |
| Admitted for emergency.....                    | 1.1 %      | Diabetes mellitus.....              | 10.6 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 72.8%  | Hospital .....                          | 5.6 Days |
| State .....                                  | 24.9%  | State .....                             | 7.6 Days |
| Outside State .....                          | 2.3%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                  |                                                 |     |
|--------------------------------------------------------------------|------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |                  |                                                 |     |
| <b>PROFILE:</b>                                                    |                  | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 34               | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 38.0 %           | Cardiac Intensive Care .....                    | Yes |
| Ownership/Control.....                                             | Local Government | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 47.5 %           | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.1210           | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                  | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 8                | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 62.5 %           | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 26               | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 2                | Rehabilitation.....                             | No  |
|                                                                    |                  | Psychiatric .....                               | No  |
|                                                                    |                  | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# CREEK NATION COMMUNITY HOSPITAL

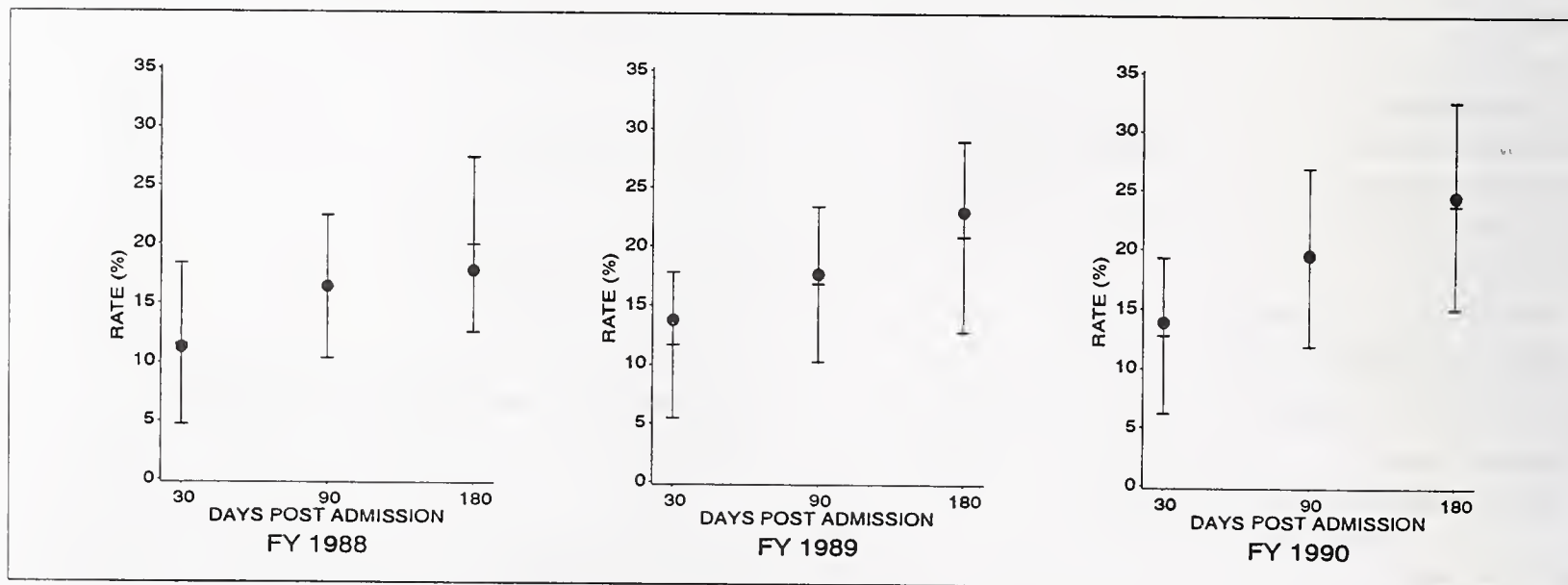
309 N 14TH ST  
OKEMAH, OK 74859  
Medicare Provider Number: 370179

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 123             | 13.8                | 12.7 | 3.3   | 19.5    | 19.3 | 3.8   | 24.4     | 23.7 | 4.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 0.0                 | 33.1 | ----- | 0.0     | 35.0 | ----- | 0.0      | 37.4 | ----- |
| Congestive Heart Failure.....              | 7               | 14.3                | 14.1 | ----- | 28.6    | 21.1 | ----- | 28.6     | 27.5 | ----- |
| Pneumonia/Influenza.....                   | 11              | 27.3                | 16.1 | ----- | 27.3    | 21.5 | ----- | 27.3     | 25.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 33.3                | 10.7 | ----- | 33.3    | 18.8 | ----- | 33.3     | 23.9 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.3  | ----- |
| Stroke.....                                | 5               | 60.0                | 20.6 | ----- | 60.0    | 27.8 | ----- | 60.0     | 31.2 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3               | 33.3                | 28.2 | ----- | 33.3    | 40.6 | ----- | 66.7     | 46.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.5  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CREEK NATION COMMUNITY HOSPITAL

Medicare Provider Number: 370179

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 56.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 92.7 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 32.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 9.8 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 1.6 %  
Diabetes mellitus..... 10.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 52.3%  
State..... 47.3%  
Outside State..... 0.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.8 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 38  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 0.9780

### STAFFING:

Medical Residents/Interns..... 4  
Registered Nurses..... 11  
Licensed Practical Nurses..... 14

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... No  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CUSHING MUNICIPAL HOSPITAL

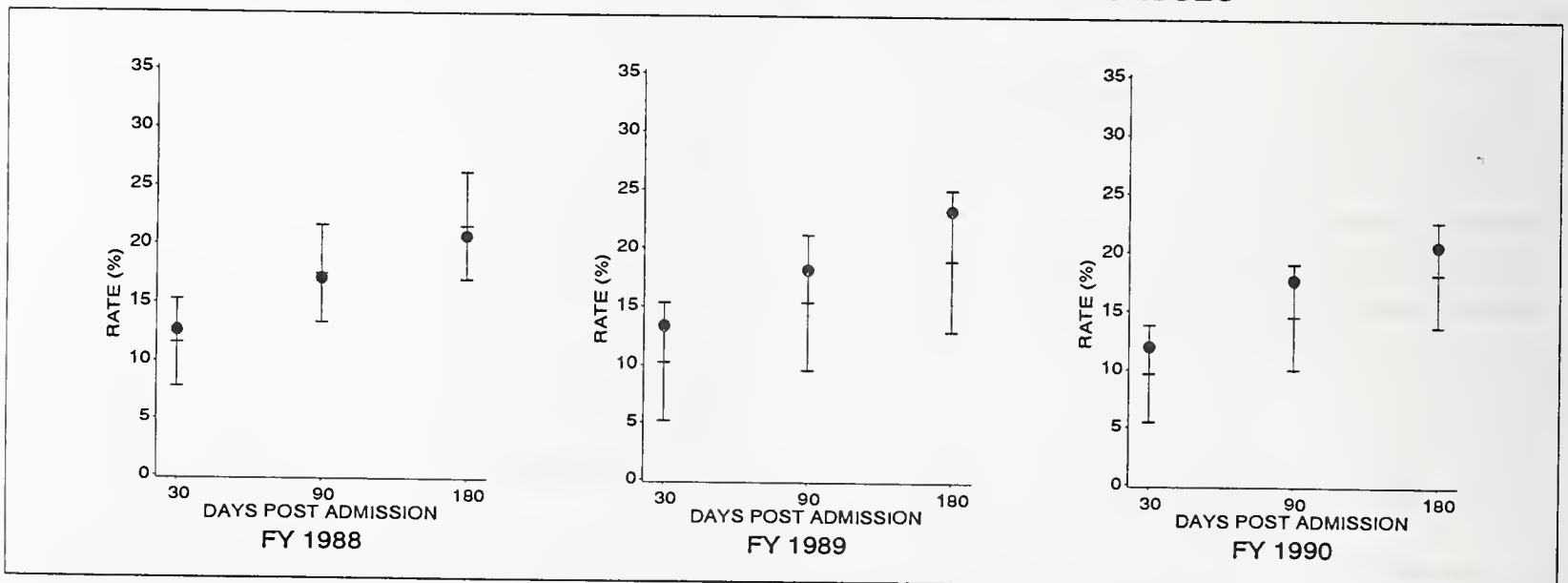
1027 E CHERRY ST, BOX 1409  
CUSHING, OK 74023  
Medicare Provider Number: 370099

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 370             | 11.9                | 9.6  | 2.1   | 17.6    | 14.5 | 2.3   | 20.5     | 18.1 | 2.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 40.0                | 30.1 | ----- | 40.0    | 32.2 | ----- | 40.0     | 34.5 | ----- |
| Congestive Heart Failure.....              | 22              | 18.2                | 13.4 | ----- | 31.8    | 21.2 | ----- | 36.4     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 25              | 16.0                | 13.9 | ----- | 32.0    | 19.1 | ----- | 36.0     | 22.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 12.5                | 8.9  | ----- | 25.0    | 15.3 | ----- | 31.3     | 20.1 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 10.0                | 2.3  | ----- | 30.0    | 5.0  | ----- | 40.0     | 8.2  | ----- |
| Stroke.....                                | 21              | 33.3                | 19.1 | ----- | 33.3    | 26.9 | ----- | 33.3     | 31.5 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 4.0  | ----- | 0.0     | 7.8  | ----- | 0.0      | 10.6 | ----- |
| Sepsis.....                                | 8               | 50.0                | 23.6 | ----- | 50.0    | 29.0 | ----- | 50.0     | 33.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 12.2 | ----- | 0.0     | 19.4 | ----- | 0.0      | 23.6 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 8               | 0.0                 | 2.6  | ----- | 0.0     | 4.7  | ----- | 0.0      | 6.0  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# CUSHING MUNICIPAL HOSPITAL

Medicare Provider Number: 370099

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.4 years |
| Proportion female.....        | 60.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.5 %  |
| Admitted for emergency.....                    | 31.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.2 %  |
| Chronic cardiovascular disease..... | 31.6 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.4 %  |
| Chronic pulmonary disease.....      | 20.8 % |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 10.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 78.5%  |
| State .....         | 19.8%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 91               |
| Occupancy Rate .....       | 27.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 44.1 %           |
| Case Mix Index (CMI) ..... | 1.1392           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 14     |
| Percent of Physicians Board<br>Certified Specialists ..... | 35.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 27     |
| Licensed Practical Nurses .....                            | 25     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEACONESS HOSPITAL

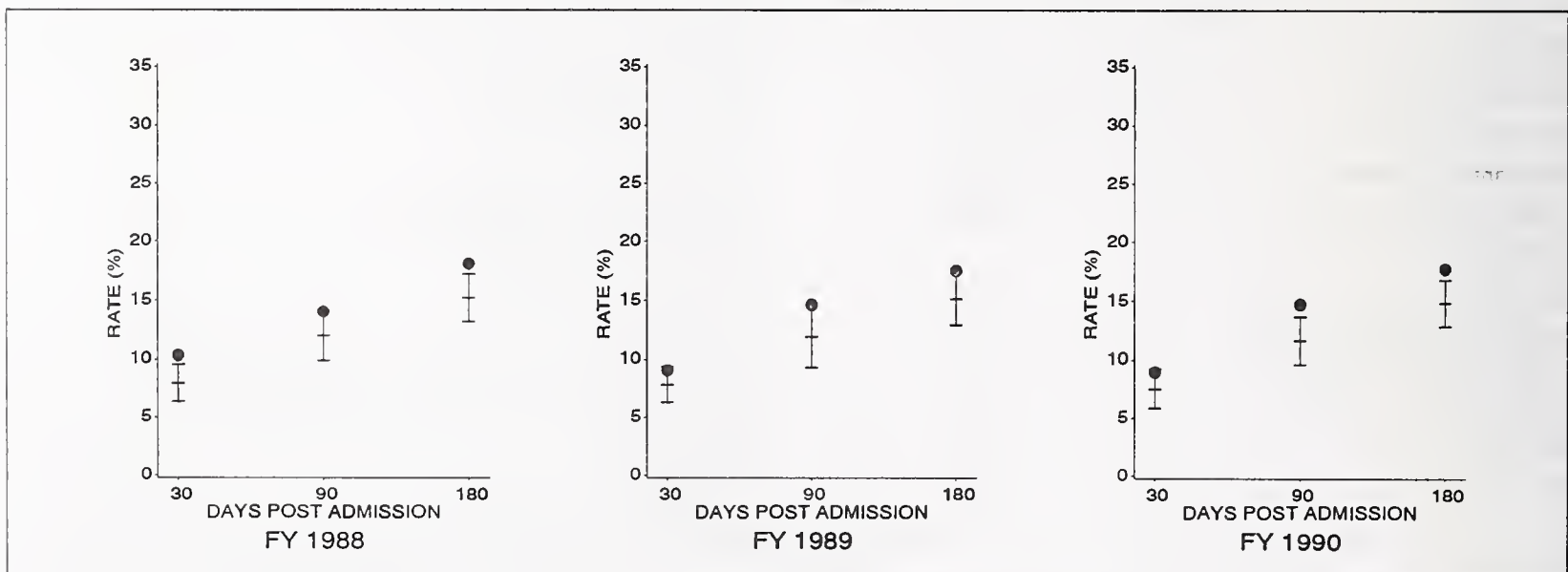
5501 N PORTLAND  
OKLAHOMA CITY, OK 73112  
Medicare Provider Number: 370032

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2372            | 8.9                 | 7.5  | 0.8   | 14.7    | 11.6 | 1.0   | 17.7     | 14.8 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 92              | 35.9                | 29.4 | 6.8   | 42.4    | 32.7 | 7.3   | 44.6     | 35.4 | 8.1   |
| Congestive Heart Failure.....              | 90              | 21.1                | 14.6 | 5.1   | 33.3    | 23.2 | 7.2   | 40.0     | 29.5 | 7.6   |
| Pneumonia/Influenza.....                   | 81              | 13.6                | 16.9 | 6.1   | 21.0    | 23.7 | 6.6   | 27.2     | 27.8 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 45              | 15.6                | 10.6 | ----- | 24.4    | 17.8 | ----- | 26.7     | 22.6 | ----- |
| Transient Cerebral Ischemia.....           | 23              | 0.0                 | 1.3  | ----- | 4.3     | 3.2  | ----- | 4.3      | 5.4  | ----- |
| Stroke.....                                | 66              | 15.2                | 19.6 | 7.2   | 21.2    | 25.5 | 9.2   | 24.2     | 29.6 | 10.7  |
| Hip Fracture.....                          | 77              | 6.5                 | 5.6  | 2.7   | 13.0    | 10.1 | 4.3   | 18.2     | 13.4 | 6.1   |
| Sepsis.....                                | 8               | 37.5                | 26.0 | ----- | 37.5    | 34.8 | ----- | 37.5     | 40.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 16              | 0.0                 | 1.4  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.8  | ----- |
| Coronary Artery Bypass Graft.....          | 69              | 5.8                 | 4.7  | 2.7   | 8.7     | 6.5  | 3.9   | 10.1     | 7.4  | 4.4   |
| Initial Pacemaker Insertion.....           | 16              | 6.3                 | 6.2  | ----- | 12.5    | 10.5 | ----- | 25.0     | 13.6 | ----- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.5  | ----- |
| Hip Replacement/Reconstruction.....        | 37              | 5.4                 | 5.6  | ----- | 18.9    | 10.8 | ----- | 21.6     | 14.6 | ----- |
| Open Reduction of Hip Fracture.....        | 27              | 7.4                 | 5.0  | ----- | 11.1    | 9.2  | ----- | 18.5     | 12.5 | ----- |
| Prostatectomy.....                         | 119             | 0.8                 | 0.6  | 0.9   | 3.4     | 1.3  | 2.0   | 4.2      | 2.3  | 2.3   |
| Cholecystectomy.....                       | 110             | 4.5                 | 2.2  | 2.7   | 8.2     | 4.1  | 3.8   | 9.1      | 5.5  | 3.9   |
| Hysterectomy.....                          | 35              | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEACONESS HOSPITAL

Medicare Provider Number: 370032

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 60.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 50.3 %  
Admitted for emergency..... 48.1 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 26.1 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 8.3 %  
Cerebrovascular degeneration..... 6.1 %  
Diabetes mellitus..... 3.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.7%  
State ..... 21.7%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 211  
Occupancy Rate ..... 73.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 40.8 %  
Case Mix Index (CMI) ..... 1.3066

### STAFFING:

Total Number of Physicians..... 483  
Percent of Physicians Board  
Certified Specialists ..... 61.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 218  
Licensed Practical Nurses ..... 76

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# DOCTORS GENERAL HOSPITAL

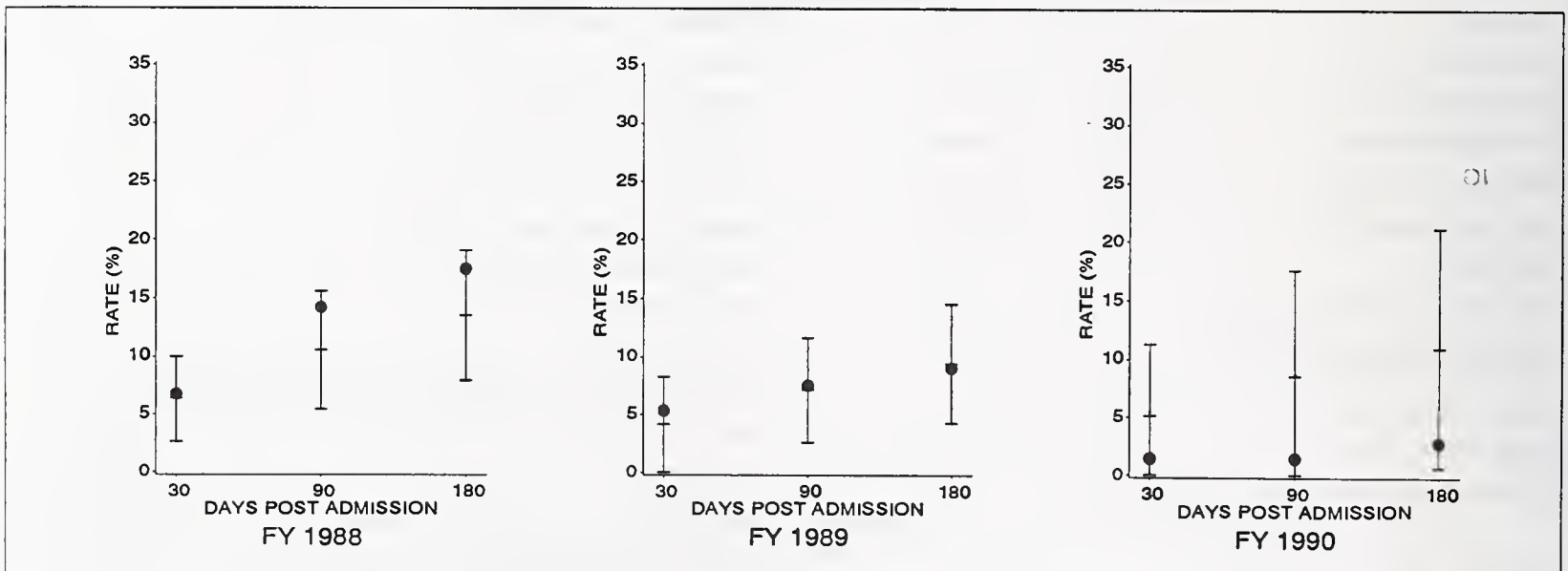
1407 N ROBINSON  
OKLAHOMA CITY, OK 73103  
Medicare Provider Number: 370144

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 73                 | 1.4                 | 5.1  | 3.1   | 1.4     | 8.5  | 4.6   | 2.7      | 10.9 | 5.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 5                  | 0.0                 | 11.9 | ----- | 0.0     | 20.2 | ----- | 20.0     | 26.1 | ----- |
| Pneumonia/Influenza.....                   | 2                  | 0.0                 | 11.0 | ----- | 0.0     | 14.2 | ----- | 0.0      | 17.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 6.3  | ----- | 0.0     | 11.2 | ----- | 0.0      | 15.1 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1                  | 0.0                 | 1.1  | ----- | 0.0     | 2.9  | ----- | 0.0      | 5.1  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 4.1  | ----- | 0.0     | 6.4  | ----- | 0.0      | 7.9  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.3  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DOCTORS GENERAL HOSPITAL

Medicare Provider Number: 370144

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 62.0 years |
| Proportion female.....        | 52.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 91.8 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 1.4 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 1.4 %  |
| Chronic cardiovascular disease..... | 20.5 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 1.4 %  |
| Chronic pulmonary disease.....      | 8.2 %  |
| Cerebrovascular degeneration.....   | 16.4 % |
| Diabetes mellitus.....              | 2.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 71.0%  |
| State .....         | 25.0%  |
| Outside State ..... | 4.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 8.5 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 106                 |
| Ownership/Control.....     | Private, For Profit |
| Case Mix Index (CMI) ..... | 1.0439              |

### STAFFING:

|                                 |    |
|---------------------------------|----|
| Medical Residents/Interns ..... | 0  |
| Registered Nurses.....          | 20 |
| Licensed Practical Nurses.....  | 22 |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | No  |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

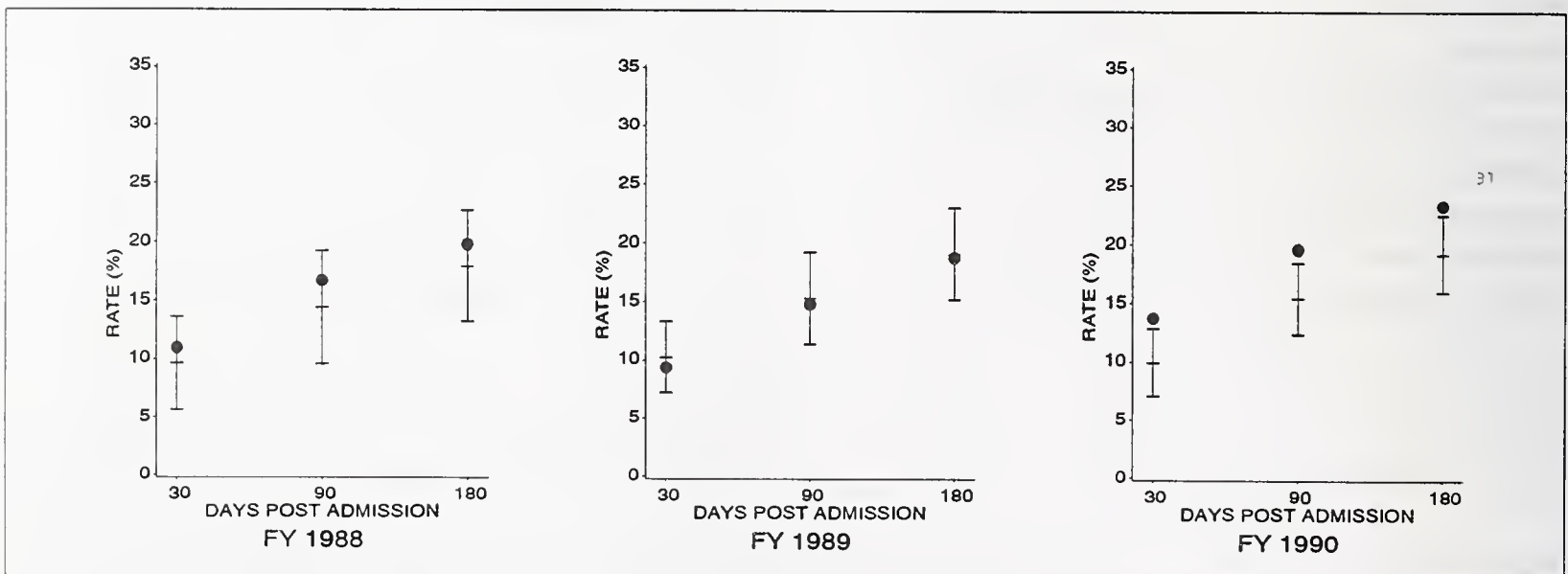
**DOCTORS HOSPITAL**  
2323 S HARVARD AVE  
TULSA, OK 74114  
Medicare Provider Number: 370141

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 833                | 13.7                | 9.9  | 1.5   | 19.6    | 15.4 | 1.5   | 23.3     | 19.2 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 22                 | 36.4                | 24.9 | ----- | 40.9    | 28.1 | ----- | 45.5     | 31.3 | ----- |
| Congestive Heart Failure.....              | 43                 | 18.6                | 13.3 | ----- | 25.6    | 21.1 | ----- | 27.9     | 27.0 | ----- |
| Pneumonia/Influenza.....                   | 42                 | 19.0                | 14.2 | ----- | 19.0    | 19.9 | ----- | 23.8     | 23.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16                 | 6.3                 | 9.3  | ----- | 12.5    | 15.8 | ----- | 12.5     | 20.5 | ----- |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 1.3  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.2  | ----- |
| Stroke.....                                | 44                 | 15.9                | 17.4 | ----- | 25.0    | 23.9 | ----- | 31.8     | 27.9 | ----- |
| Hip Fracture.....                          | 20                 | 5.0                 | 6.8  | ----- | 20.0    | 12.0 | ----- | 20.0     | 15.8 | ----- |
| Sepsis.....                                | 11                 | 36.4                | 23.0 | ----- | 54.5    | 34.5 | ----- | 54.5     | 40.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10                 | 10.0                | 3.3  | ----- | 10.0    | 6.7  | ----- | 20.0     | 9.7  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 3.5  | ----- | 0.0     | 6.3  | ----- | 0.0      | 8.4  | ----- |
| Open Reduction of Hip Fracture.....        | 11                 | 9.1                 | 7.5  | ----- | 27.3    | 14.0 | ----- | 27.3     | 18.9 | ----- |
| Prostatectomy.....                         | 32                 | 0.0                 | 1.2  | ----- | 6.3     | 3.0  | ----- | 12.5     | 5.2  | ----- |
| Cholecystectomy.....                       | 22                 | 9.1                 | 4.8  | ----- | 13.6    | 9.4  | ----- | 13.6     | 12.9 | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**





**DOCTORS HOSPITAL**  
Medicare Provider Number: 370141

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 75.2 years | Cancer.....                         | 5.5 %  |
| Proportion female.....                         | 61.3 %     | Chronic cardiovascular disease..... | 37.3 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.4 %  |
| Referred by personal or HMO physician.....     | 79.3 %     | Chronic renal disease.....          | 1.9 %  |
| Transferred from skilled nursing facility..... | 0.2 %      | Chronic pulmonary disease.....      | 14.1 % |
| Admitted for elective procedure.....           | 2.0 %      | Cerebrovascular degeneration.....   | 6.2 %  |
| Admitted for emergency.....                    | 12.9 %     | Diabetes mellitus.....              | 11.0 % |

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 85.5%  | Hospital .....                          | 7.0 Days |
| State .....                                  | 11.4%  | State .....                             | 7.6 Days |
| Outside State .....                          | 3.1%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

**HOSPITAL CHARACTERISTICS\***

|                                                                    |                     |                                                 |     |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------|-----|
| <b>SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990</b> |                     |                                                 |     |
| <b>PROFILE:</b>                                                    |                     | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 162                 | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 40.0 %              | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | Private, For Profit | Comprehensive Geriatric .....                   | Yes |
| Medicare Discharges .....                                          | 54.1 %              | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.4118              | Medical/Surgical Intensive Care .....           | Yes |
| <b>STAFFING:</b>                                                   |                     | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 91                  | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 62.6 %              | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                   | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 78                  | Alcohol/Drug .....                              | No  |
| Licensed Practical Nurses .....                                    | 23                  | Rehabilitation.....                             | No  |
|                                                                    |                     | Psychiatric .....                               | Yes |
|                                                                    |                     | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DRUMRIGHT MEMORIAL HOSPITAL

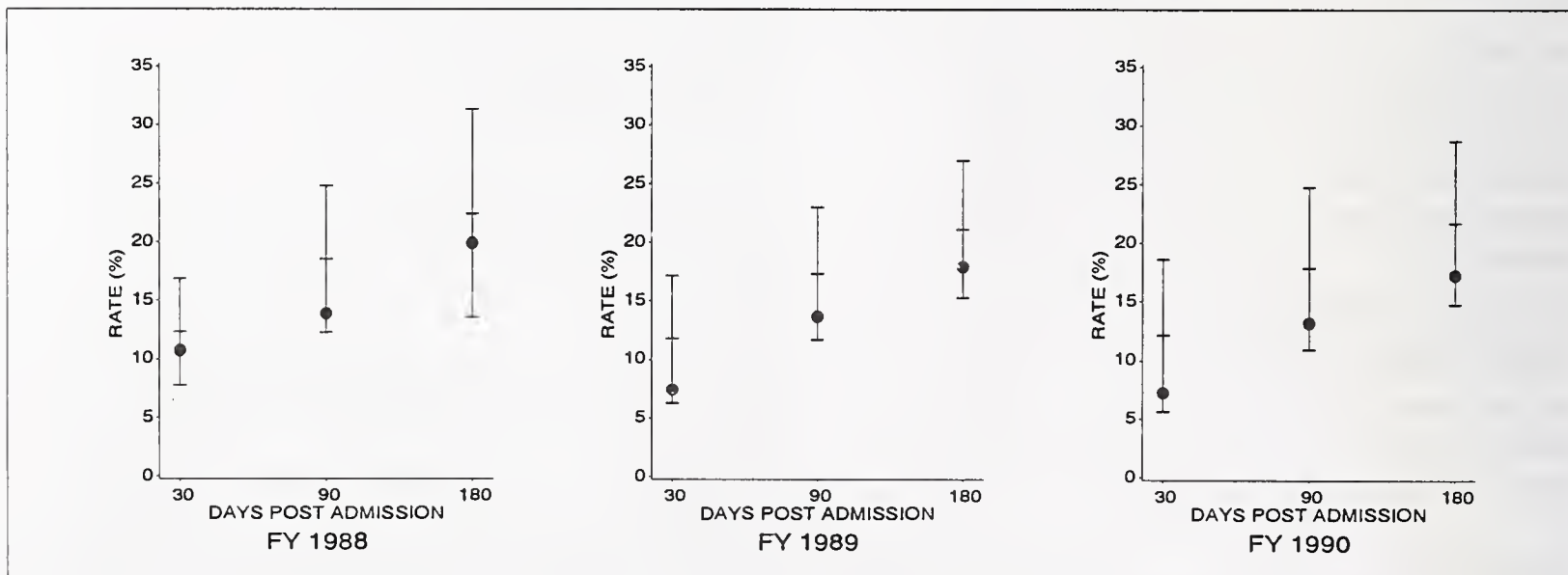
501 LOU S ALLARD DR  
DRUMRIGHT, OK 74030  
Medicare Provider Number: 370059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 291             | 7.2                 | 12.1 | 3.2   | 13.1    | 17.8 | 3.5   | 17.2     | 21.7 | 3.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 25.0                | 37.3 | ----- | 50.0    | 41.8 | ----- | 75.0     | 44.5 | ----- |
| Congestive Heart Failure.....              | 21              | 9.5                 | 13.3 | ----- | 14.3    | 21.1 | ----- | 14.3     | 26.9 | ----- |
| Pneumonia/Influenza.....                   | 20              | 5.0                 | 15.3 | ----- | 25.0    | 21.6 | ----- | 25.0     | 25.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 5.4  | ----- | 0.0     | 9.9  | ----- | 0.0      | 13.5 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 1.7  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 5               | 20.0                | 24.6 | ----- | 20.0    | 29.8 | ----- | 40.0     | 33.7 | ----- |
| Hip Fracture.....                          | 6               | 0.0                 | 5.4  | ----- | 0.0     | 9.7  | ----- | 0.0      | 13.4 | ----- |
| Sepsis.....                                | 2               | 50.0                | 29.9 | ----- | 50.0    | 35.8 | ----- | 50.0     | 39.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.4  | ----- |
| Open Reduction of Hip Fracture.....        | 4               | 0.0                 | 3.3  | ----- | 0.0     | 6.6  | ----- | 0.0      | 10.1 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 0.8  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DRUMRIGHT MEMORIAL HOSPITAL

Medicare Provider Number: 370059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 63.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 14.8 %  
Admitted for emergency..... 35.4 %

### COMORBIDITIES:

Cancer..... 3.8 %  
Chronic cardiovascular disease..... 52.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.0 %  
Chronic pulmonary disease..... 19.6 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 11.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 53.5%  
State ..... 43.7%  
Outside State ..... 2.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 39  
Occupancy Rate ..... 28.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 63.3 %  
Case Mix Index (CMI) ..... 1.3518

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# DUNCAN REGIONAL HOSPITAL

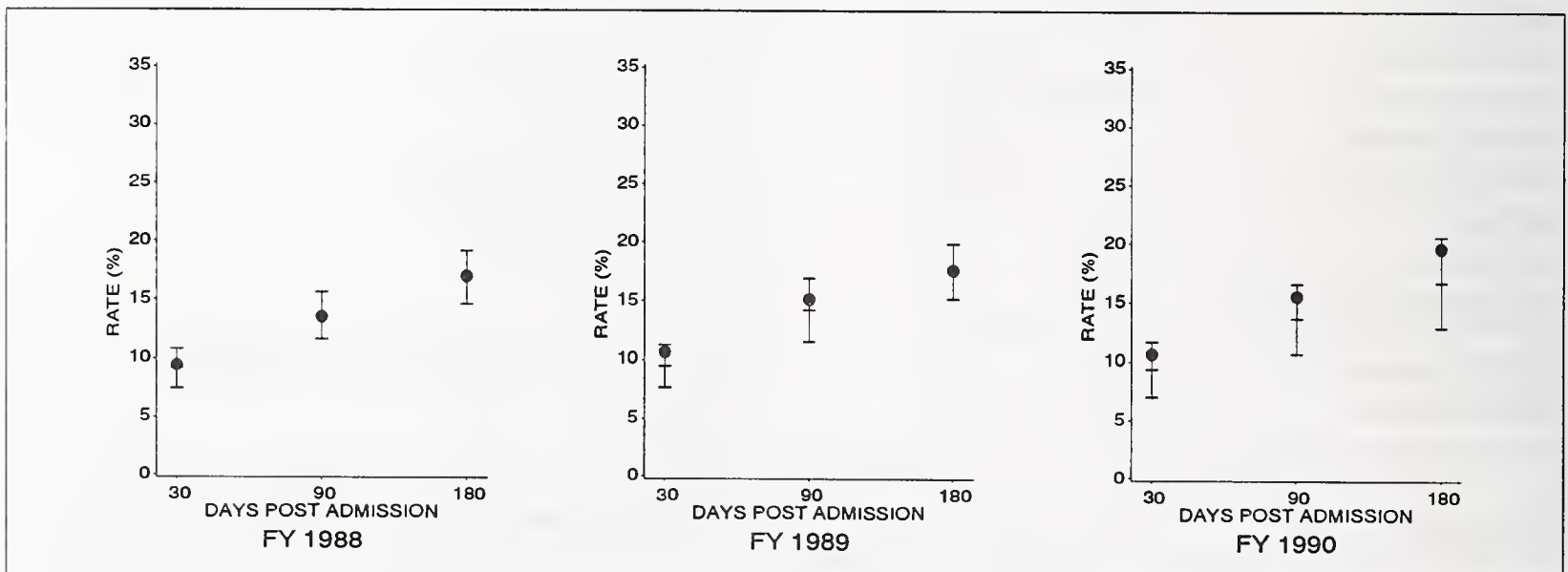
1407 WHISENANT DRIVE, BOX 2000  
DUNCAN, OK 73533  
Medicare Provider Number: 370023

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1186               | 10.6                | 9.3  | 1.2   | 15.5    | 13.6 | 1.5   | 19.6     | 16.7 | 1.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 47                 | 23.4                | 29.3 | ----- | 27.7    | 32.6 | ----- | 27.7     | 35.2 | ----- |
| Congestive Heart Failure.....              | 56                 | 19.6                | 15.3 | 7.8   | 37.5    | 24.2 | 9.8   | 44.6     | 30.5 | 10.8  |
| Pneumonia/Influenza.....                   | 102                | 19.6                | 16.4 | 4.5   | 26.5    | 22.7 | 5.4   | 30.4     | 26.5 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 18                 | 5.6                 | 5.8  | ----- | 5.6     | 10.8 | ----- | 16.7     | 14.5 | ----- |
| Transient Cerebral Ischemia.....           | 12                 | 16.7                | 1.7  | ----- | 16.7    | 3.8  | ----- | 16.7     | 6.1  | ----- |
| Stroke.....                                | 48                 | 27.1                | 18.9 | ----- | 35.4    | 25.0 | ----- | 43.8     | 28.5 | ----- |
| Hip Fracture.....                          | 61                 | 6.6                 | 7.1  | 3.4   | 13.1    | 12.2 | 4.3   | 13.1     | 15.6 | 5.1   |
| Sepsis.....                                | 6                  | 33.3                | 36.6 | ----- | 33.3    | 48.6 | ----- | 33.3     | 54.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5                  | 0.0                 | 1.3  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.2  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 26                 | 0.0                 | 4.0  | ----- | 3.8     | 7.2  | ----- | 3.8      | 9.6  | ----- |
| Open Reduction of Hip Fracture.....        | 35                 | 8.6                 | 6.9  | ----- | 14.3    | 12.1 | ----- | 14.3     | 15.6 | ----- |
| Prostatectomy.....                         | 47                 | 4.3                 | 0.5  | ----- | 4.3     | 1.3  | ----- | 8.5      | 2.3  | ----- |
| Cholecystectomy.....                       | 38                 | 2.6                 | 2.1  | ----- | 2.6     | 3.8  | ----- | 2.6      | 5.1  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 1.3  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DUNCAN REGIONAL HOSPITAL

Medicare Provider Number: 370023

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.6 years |
| Proportion female.....        | 57.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 45.4 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 25.6 % |
| Admitted for emergency.....                    | 52.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.4 %  |
| Chronic cardiovascular disease..... | 37.4 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 14.8 % |
| Cerebrovascular degeneration.....   | 4.7 %  |
| Diabetes mellitus.....              | 5.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 90.0%  |
| State .....         | 8.7%   |
| Outside State ..... | 1.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.9 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 100                 |
| Occupancy Rate .....       | 65.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 47.9 %              |
| Case Mix Index (CMI) ..... | 1.1959              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 28     |
| Percent of Physicians Board<br>Certified Specialists ..... | 71.4 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 55     |
| Licensed Practical Nurses .....                            | 57     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# EASTERN OKLAHOMA MEDICAL CENTER

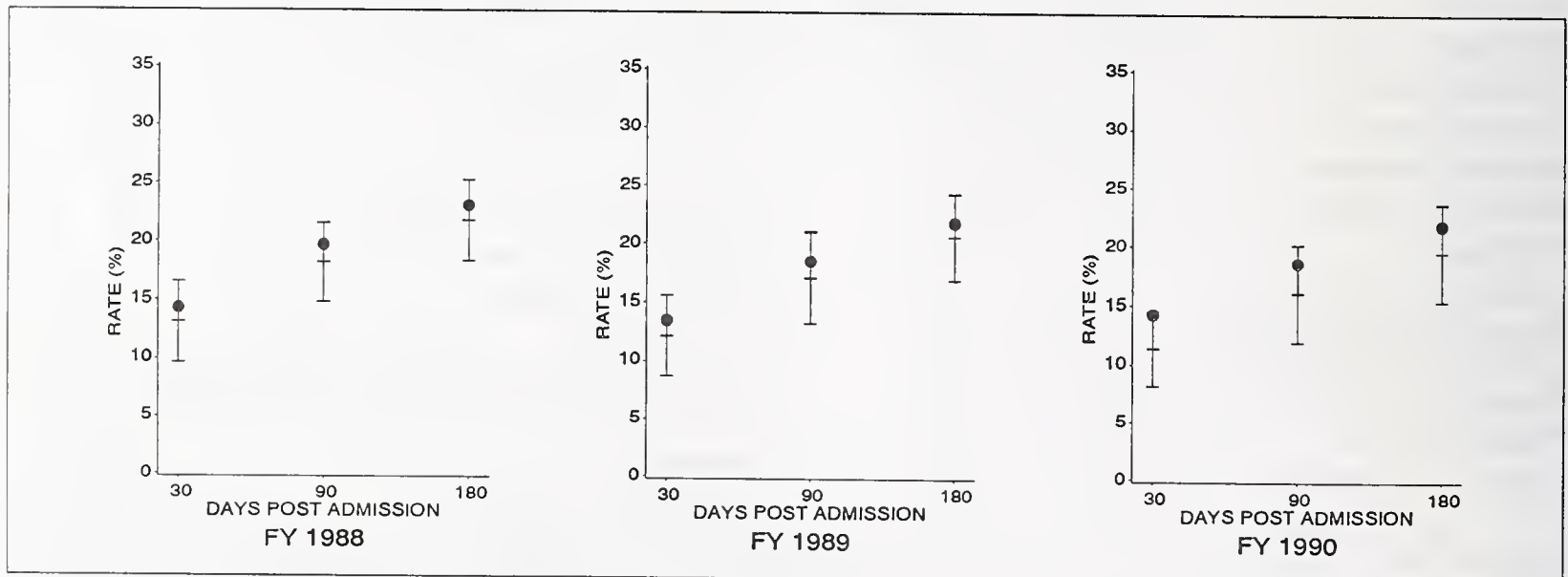
105 WALL ST, BOX 1148  
POTEAU, OK 74953  
Medicare Provider Number: 370040

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 682                | 14.2                | 11.3 | 1.6   | 18.6    | 16.0 | 2.1   | 21.8     | 19.5 | 2.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41                 | 24.4                | 31.1 | ----- | 34.1    | 34.6 | ----- | 39.0     | 37.9 | ----- |
| Congestive Heart Failure.....              | 33                 | 12.1                | 13.9 | ----- | 21.2    | 21.1 | ----- | 33.3     | 26.9 | ----- |
| Pneumonia/Influenza.....                   | 46                 | 32.6                | 16.1 | ----- | 34.8    | 22.5 | ----- | 34.8     | 26.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 26                 | 3.8                 | 7.8  | ----- | 11.5    | 13.0 | ----- | 15.4     | 17.0 | ----- |
| Transient Cerebral Ischemia.....           | 19                 | 10.5                | 2.1  | ----- | 10.5    | 4.8  | ----- | 15.8     | 7.8  | ----- |
| Stroke.....                                | 32                 | 25.0                | 25.2 | ----- | 31.3    | 31.9 | ----- | 37.5     | 36.3 | ----- |
| Hip Fracture.....                          | 8                  | 12.5                | 7.0  | ----- | 12.5    | 12.0 | ----- | 12.5     | 15.7 | ----- |
| Sepsis.....                                | 7                  | 71.4                | 39.7 | ----- | 71.4    | 47.4 | ----- | 71.4     | 52.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.5  | ----- | 0.0     | 3.7  | ----- | 0.0      | 6.1  | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.8  | ----- |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 5.9  | ----- | 0.0     | 10.8 | ----- | 0.0      | 14.5 | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 25.0                | 6.6  | ----- | 25.0    | 11.4 | ----- | 25.0     | 15.2 | ----- |
| Prostatectomy.....                         | 22                 | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.8  | ----- |
| Cholecystectomy.....                       | 21                 | 4.8                 | 2.1  | ----- | 4.8     | 4.0  | ----- | 4.8      | 5.6  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# EASTERN OKLAHOMA MEDICAL CENTER

Medicare Provider Number: 370040

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years

Proportion female..... 53.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 31.4 %

Transferred from skilled nursing facility..... 0.3 %

Admitted for elective procedure..... 1.2 %

Admitted for emergency..... 57.5 %

### COMORBIDITIES:

Cancer..... 4.5 %

Chronic cardiovascular disease..... 36.7 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 2.3 %

Chronic pulmonary disease..... 14.4 %

Cerebrovascular degeneration..... 3.1 %

Diabetes mellitus..... 7.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.5%

State ..... 7.2%

Outside State ..... 3.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days

State ..... 7.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 84

Occupancy Rate ..... 38.0 %

Ownership/Control..... District/Authority

Medicare Discharges ..... 46.1 %

Case Mix Index (CMI) ..... 1.0781

### STAFFING:

Total Number of Physicians..... 21

Percent of Physicians Board  
Certified Specialists ..... 57.1 %

Medical Residents/Interns ..... 0

Registered Nurses..... 31

Licensed Practical Nurses ..... 34

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... Yes

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# EDMOND MEMORIAL HOSPITAL

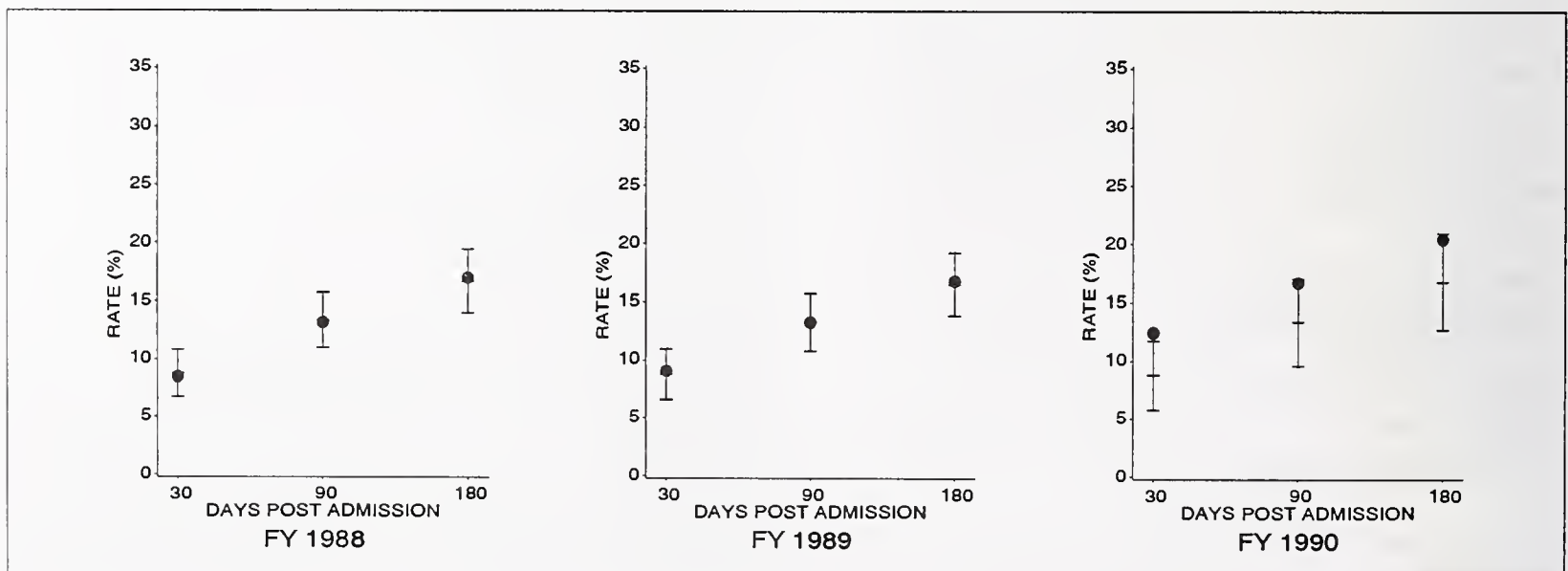
1 S BRYANT  
EDMOND, OK 73034  
Medicare Provider Number: 370148

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 724             | 12.4                | 8.7  | 1.5   | 16.7    | 13.3 | 1.9   | 20.4     | 16.8 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 56.3                | 26.0 | ----- | 62.5    | 29.6 | ----- | 62.5     | 32.2 | ----- |
| Congestive Heart Failure.....              | 39              | 10.3                | 13.4 | ----- | 17.9    | 21.5 | ----- | 30.8     | 27.9 | ----- |
| Pneumonia/Influenza.....                   | 55              | 30.9                | 15.9 | 7.9   | 38.2    | 21.7 | 8.8   | 38.2     | 25.8 | 7.8   |
| Chronic Obstructive Pulmonary Disease..... | 19              | 10.5                | 5.8  | ----- | 15.8    | 10.3 | ----- | 21.1     | 13.9 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 2.4  | ----- | 0.0     | 5.5  | ----- | 0.0      | 8.6  | ----- |
| Stroke.....                                | 21              | 47.6                | 24.4 | ----- | 61.9    | 32.1 | ----- | 61.9     | 36.7 | ----- |
| Hip Fracture.....                          | 40              | 2.5                 | 5.4  | ----- | 10.0    | 9.9  | ----- | 12.5     | 13.3 | ----- |
| Sepsis.....                                | 13              | 30.8                | 25.2 | ----- | 30.8    | 33.4 | ----- | 61.5     | 37.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 1.0  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.4  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |
| Hip Replacement/Reconstruction.....        | 33              | 3.0                 | 3.7  | ----- | 6.1     | 7.2  | ----- | 6.1      | 9.9  | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 0.0                 | 5.2  | ----- | 6.3     | 9.6  | ----- | 12.5     | 12.9 | ----- |
| Prostatectomy.....                         | 30              | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 6.7      | 4.7  | ----- |
| Cholecystectomy.....                       | 25              | 4.0                 | 3.0  | ----- | 4.0     | 5.9  | ----- | 12.0     | 7.9  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 3.9  | ----- | 0.0     | 8.9  | ----- | 20.0     | 13.4 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# EDMOND MEMORIAL HOSPITAL

Medicare Provider Number: 370148

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 65.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 14.5 %  
Admitted for emergency..... 53.6 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 26.4 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 14.6 %  
Cerebrovascular degeneration..... 6.5 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 72.8%  
State..... 22.9%  
Outside State..... 4.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.7 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 85  
Occupancy Rate..... 65.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... 34.9 %  
Case Mix Index (CMI)..... 1.3109

### STAFFING:

Total Number of Physicians..... 69  
Percent of Physicians Board  
Certified Specialists..... 82.6 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 77  
Licensed Practical Nurses..... 30

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# ELKVIEW GENERAL HOSPITAL

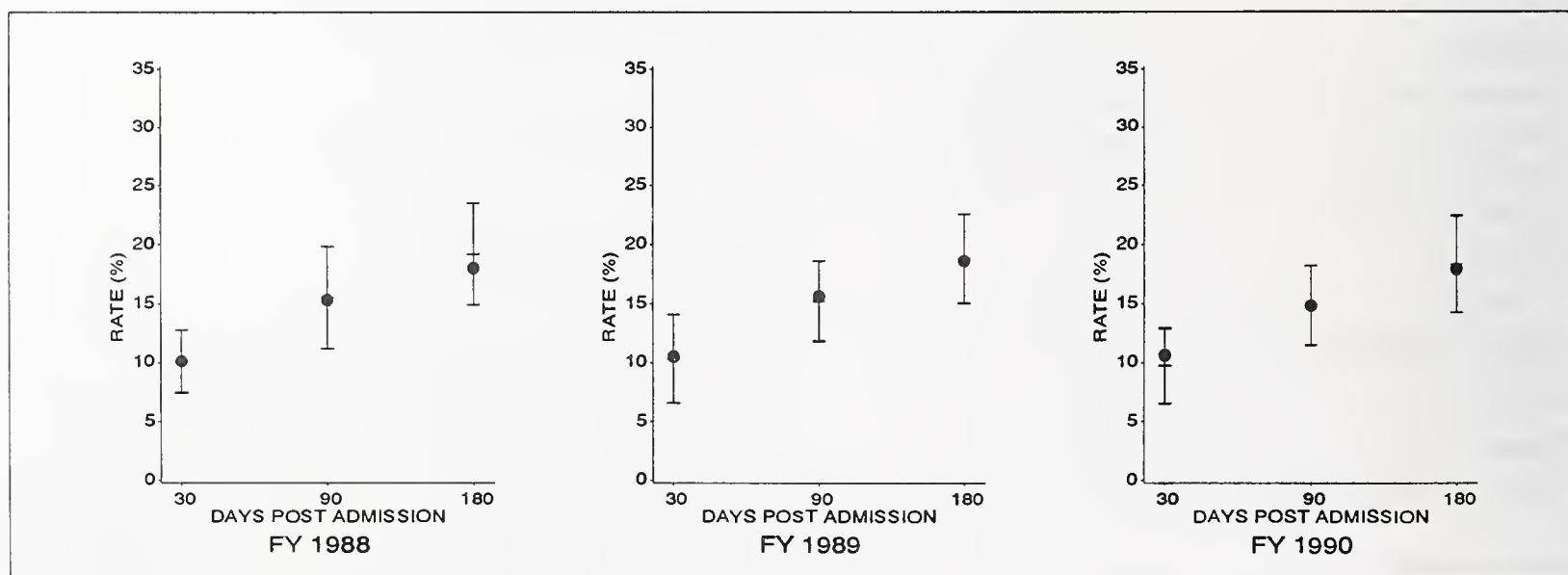
429 W ELM ST, BOX 633  
HOBART, OK 73651  
Medicare Provider Number: 370153

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 480             | 10.6                | 9.7  | 1.6   | 14.8    | 14.8 | 1.7   | 17.9     | 18.3 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 16              | 62.5                | 33.4 | ----- | 62.5    | 37.4 | ----- | 62.5     | 40.2 | ----- |
| Congestive Heart Failure.....              | 15              | 6.7                 | 15.8 | ----- | 6.7     | 25.8 | ----- | 33.3     | 32.8 | ----- |
| Pneumonia/Influenza.....                   | 46              | 15.2                | 14.4 | ----- | 21.7    | 20.7 | ----- | 26.1     | 24.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 14              | 0.0                 | 4.0  | ----- | 0.0     | 7.6  | ----- | 7.1      | 10.3 | ----- |
| Transient Cerebral Ischemia.....           | 18              | 0.0                 | 1.6  | ----- | 0.0     | 3.7  | ----- | 5.6      | 6.2  | ----- |
| Stroke.....                                | 19              | 36.8                | 21.4 | ----- | 36.8    | 29.4 | ----- | 36.8     | 33.9 | ----- |
| Hip Fracture.....                          | 3               | 0.0                 | 3.0  | ----- | 0.0     | 5.4  | ----- | 0.0      | 7.7  | ----- |
| Sepsis.....                                | 2               | 0.0                 | 32.7 | ----- | 0.0     | 58.8 | ----- | 50.0     | 71.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 1.4  | ----- | 33.3    | 2.7  | ----- | 33.3     | 4.0  | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 4.4  | ----- | 0.0     | 7.9  | ----- | 0.0      | 11.1 | ----- |
| Prostatectomy.....                         | 12              | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 8.3      | 4.2  | ----- |
| Cholecystectomy.....                       | 10              | 10.0                | 2.1  | ----- | 10.0    | 3.8  | ----- | 10.0     | 4.7  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ELKVIEW GENERAL HOSPITAL

Medicare Provider Number: 370153

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.5 years  
Proportion female..... 59.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 33.5 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 30.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.3 %  
Chronic pulmonary disease..... 13.8 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 7.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.7%  
State..... 21.0%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.0 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 50  
Occupancy Rate..... 42.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 54.3 %  
Case Mix Index (CMI)..... 1.1013

### STAFFING:

Total Number of Physicians..... 17  
Percent of Physicians Board  
Certified Specialists..... 82.4 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses..... 15

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ENID MEMORIAL HOSPITAL

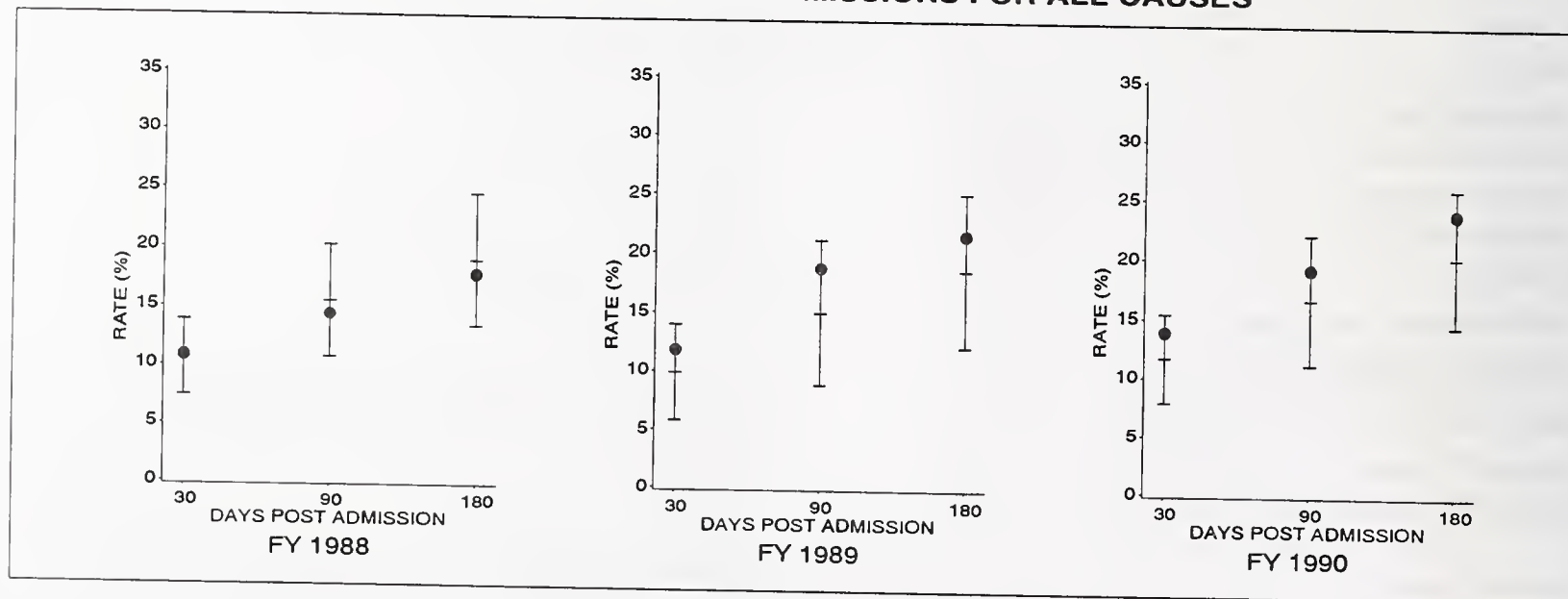
401 S 3RD STREET, BOX 3467  
ENID, OK 73701  
Medicare Provider Number: 370077

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 464             | 13.8                | 11.6 | 1.9  | 19.2    | 16.6 | 2.8  | 23.9     | 20.2 | 2.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 14              | 35.7                | 39.2 | ---- | 35.7    | 42.7 | ---- | 57.1     | 45.8 | ---- |
| Congestive Heart Failure.....              | 15              | 13.3                | 14.0 | ---- | 26.7    | 22.0 | ---- | 40.0     | 28.4 | ---- |
| Pneumonia/Influenza.....                   | 44              | 25.0                | 16.9 | ---- | 34.1    | 22.9 | ---- | 36.4     | 27.0 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 10              | 10.0                | 7.4  | ---- | 20.0    | 12.3 | ---- | 40.0     | 16.5 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.4  | ---- | 0.0     | 3.2  | ---- | 0.0      | 5.4  | ---- |
| Stroke.....                                | 24              | 25.0                | 21.9 | ---- | 33.3    | 28.7 | ---- | 37.5     | 32.7 | ---- |
| Hip Fracture.....                          | 5               | 20.0                | 9.6  | ---- | 20.0    | 15.3 | ---- | 20.0     | 18.7 | ---- |
| Sepsis.....                                | 11              | 63.6                | 32.1 | ---- | 63.6    | 37.6 | ---- | 63.6     | 41.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 2.6  | ---- | 0.0     | 5.9  | ---- | 0.0      | 9.2  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 6               | 0.0                 | 1.8  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.4  | ---- |
| Open Reduction of Hip Fracture.....        | 4               | 25.0                | 9.7  | ---- | 25.0    | 15.5 | ---- | 25.0     | 18.9 | ---- |
| Prostatectomy.....                         | 8               | 0.0                 | 1.0  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.8  | ---- |
| Cholecystectomy.....                       | 12              | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 7.2  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 2.2  | ---- | 0.0     | 5.2  | ---- | 0.0      | 8.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**ENID MEMORIAL HOSPITAL**  
Medicare Provider Number: 370077

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 75.5 years  
Proportion female..... 60.6 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 43.1 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 3.0 %  
Admitted for emergency..... 35.8 %

**COMORBIDITIES:**

Cancer..... 3.2 %  
Chronic cardiovascular disease..... 48.1 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 20.5 %  
Cerebrovascular degeneration..... 6.9 %  
Diabetes mellitus..... 14.2 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 61.5%  
State ..... 36.2%  
Outside State ..... 2.3%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 111  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 37.6 %  
Case Mix Index (CMI) ..... 1.2598

**STAFFING:**

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FAIRFAX MEMORIAL HOSPITAL

STATE HIGHWAY 18 7 TAFT AVE, BOX 219

FAIRFAX, OK 74637

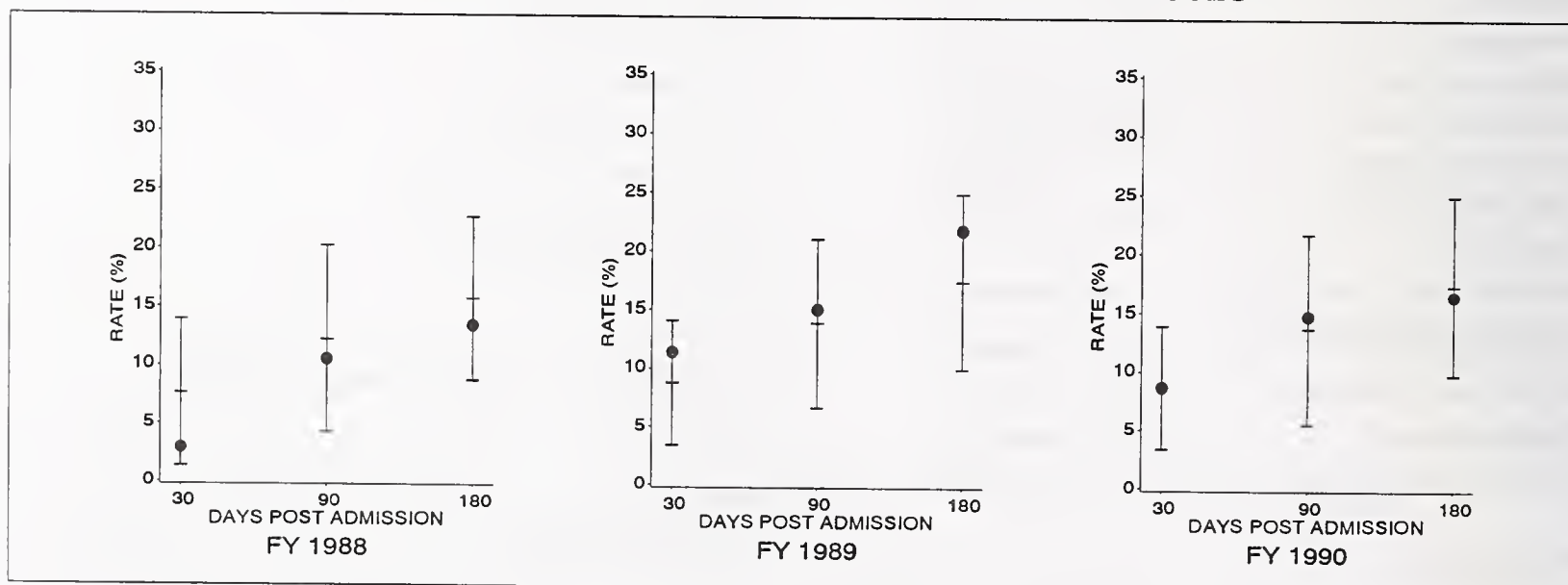
Medicare Provider Number: 370133

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 116             | 8.6                 | 8.6  | 2.6   | 14.7    | 13.6 | 4.1   | 16.4     | 17.3 | 3.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 66.7                | 37.4 | ----- | 66.7    | 42.8 | ----- | 66.7     | 46.3 | ----- |
| Congestive Heart Failure.....              | 7               | 14.3                | 13.1 | ----- | 42.9    | 20.2 | ----- | 42.9     | 26.2 | ----- |
| Pneumonia/Influenza.....                   | 6               | 0.0                 | 11.7 | ----- | 16.7    | 16.6 | ----- | 16.7     | 20.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 8.1  | ----- | 0.0     | 13.7 | ----- | 0.0      | 17.4 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.7  | ----- |
| Stroke.....                                | 6               | 0.0                 | 13.9 | ----- | 0.0     | 19.4 | ----- | 0.0      | 22.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 0.0                 | 13.6 | ----- | 0.0     | 20.8 | ----- | 0.0      | 24.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2               | 0.0                 | 2.3  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.0  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FAIRFAX MEMORIAL HOSPITAL

Medicare Provider Number: 370133

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 55.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 36.8 %  
Chronic liver disease..... 3.4 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 29.1 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.7%  
State ..... 17.2%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 21  
Occupancy Rate ..... 23.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 55.5 %  
Case Mix Index (CMI) ..... 1.1045

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists..... 33.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



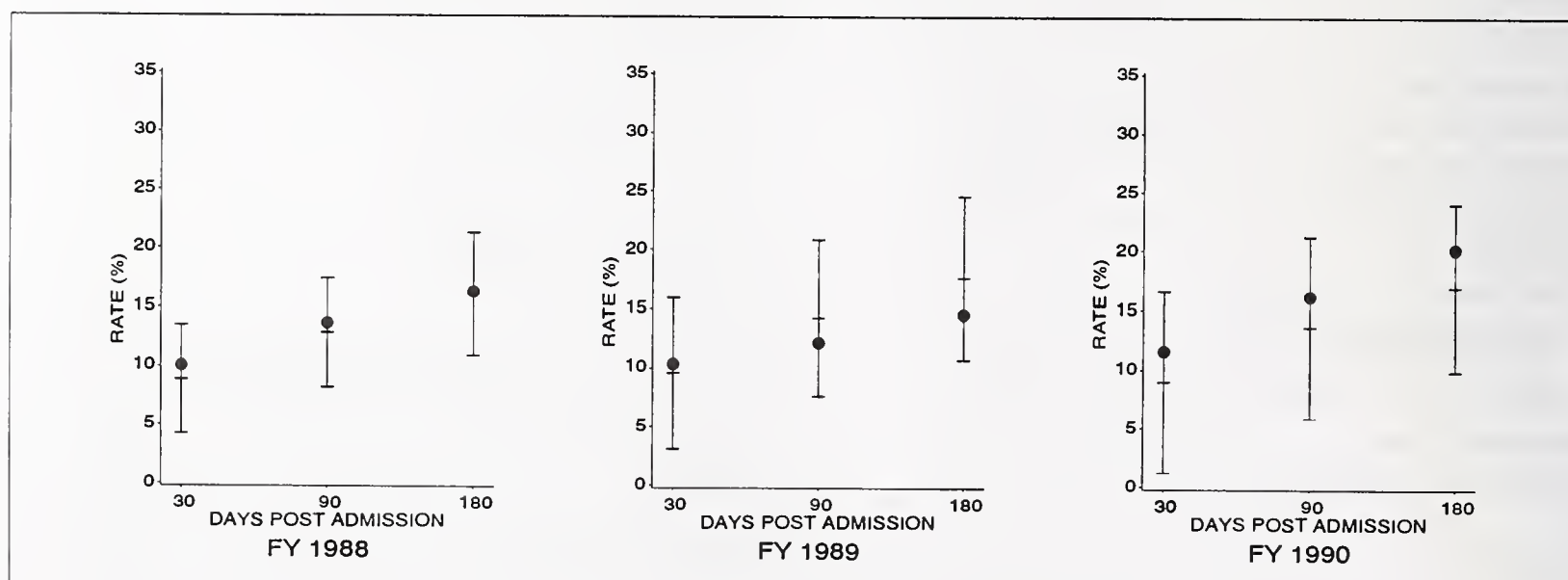
**FAIRVIEW HOSPITAL**  
 523 E STATE RD  
 FAIRVIEW, OK 73737  
 Medicare Provider Number: 370042

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 174                | 11.5                | 8.9  | 3.9   | 16.1    | 13.5 | 3.9   | 20.1     | 16.9 | 3.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 40.0                | 23.5 | ----- | 40.0    | 26.2 | ----- | 40.0     | 28.7 | ----- |
| Congestive Heart Failure.....              | 16                 | 25.0                | 15.0 | ----- | 31.3    | 22.5 | ----- | 31.3     | 28.2 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 22.2                | 14.8 | ----- | 22.2    | 20.5 | ----- | 22.2     | 23.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.0  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.7  | ----- |
| Stroke.....                                | 13                 | 7.7                 | 18.5 | ----- | 23.1    | 25.4 | ----- | 30.8     | 29.6 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 1.2  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.5  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**FAIRVIEW HOSPITAL**  
Medicare Provider Number: 370042

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 77.0 years  
Proportion female..... 63.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 99.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.6 %  
Admitted for emergency..... 45.4 %

**COMORBIDITIES:**

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 36.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 16.1 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 8.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 66.9%  
State ..... 32.7%  
Outside State ..... 0.4%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

**PROFILE:**

Total Beds ..... 31  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.8745

**STAFFING:**

Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 6

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRADY MEMORIAL HOSPITAL

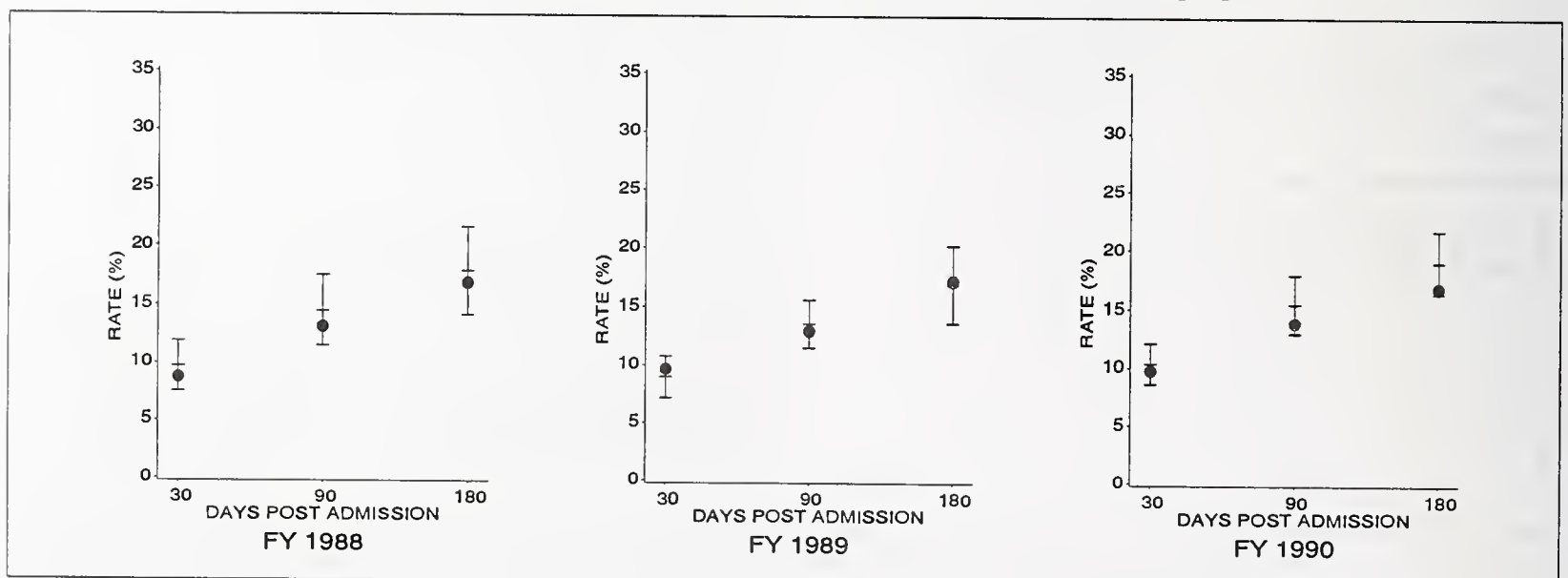
2220 IOWA  
CHICKASHA, OK 73018  
Medicare Provider Number: 370054

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1209               | 9.7                 | 10.3 | 0.9   | 13.8    | 15.4 | 1.3   | 16.8     | 19.0 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 40                 | 20.0                | 25.3 | ----- | 22.5    | 28.1 | ----- | 27.5     | 30.6 | ----- |
| Congestive Heart Failure.....              | 51                 | 17.6                | 16.1 | 5.3   | 27.5    | 25.0 | 6.4   | 35.3     | 31.4 | 7.4   |
| Pneumonia/Influenza.....                   | 81                 | 6.2                 | 14.5 | 5.0   | 12.3    | 20.0 | 5.3   | 13.6     | 23.5 | 6.0   |
| Chronic Obstructive Pulmonary Disease..... | 27                 | 3.7                 | 5.7  | ----- | 7.4     | 10.3 | ----- | 11.1     | 14.2 | ----- |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 2.1  | ----- | 0.0     | 4.9  | ----- | 0.0      | 8.1  | ----- |
| Stroke.....                                | 42                 | 21.4                | 25.0 | ----- | 26.2    | 31.9 | ----- | 28.6     | 35.9 | ----- |
| Hip Fracture.....                          | 35                 | 0.0                 | 6.7  | ----- | 0.0     | 12.1 | ----- | 2.9      | 16.1 | ----- |
| Sepsis.....                                | 13                 | 23.1                | 25.1 | ----- | 38.5    | 34.5 | ----- | 38.5     | 38.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 20                 | 5.0                 | 3.5  | ----- | 5.0     | 6.4  | ----- | 10.0     | 9.0  | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 29                 | 0.0                 | 2.2  | ----- | 0.0     | 4.4  | ----- | 3.4      | 6.1  | ----- |
| Open Reduction of Hip Fracture.....        | 12                 | 0.0                 | 7.1  | ----- | 0.0     | 12.7 | ----- | 0.0      | 16.6 | ----- |
| Prostatectomy.....                         | 53                 | 0.0                 | 1.1  | 1.7   | 0.0     | 2.7  | 3.2   | 0.0      | 4.6  | 5.0   |
| Cholecystectomy.....                       | 47                 | 2.1                 | 2.6  | ----- | 2.1     | 5.1  | ----- | 4.3      | 7.1  | ----- |
| Hysterectomy.....                          | 17                 | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# GRADY MEMORIAL HOSPITAL

Medicare Provider Number: 370054

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 57.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 4.3 %  
Transferred from skilled nursing facility..... 8.7 %  
Admitted for elective procedure..... 14.0 %  
Admitted for emergency..... 38.8 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 35.6 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 15.9 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 65.7%  
State ..... 32.1%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.4 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 156  
Occupancy Rate ..... 37.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 45.0 %  
Case Mix Index (CMI) ..... 1.2693

### STAFFING:

Total Number of Physicians..... 37  
Percent of Physicians Board  
Certified Specialists..... 78.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 48  
Licensed Practical Nurses..... 51

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GRAND VALLEY HOSPITAL

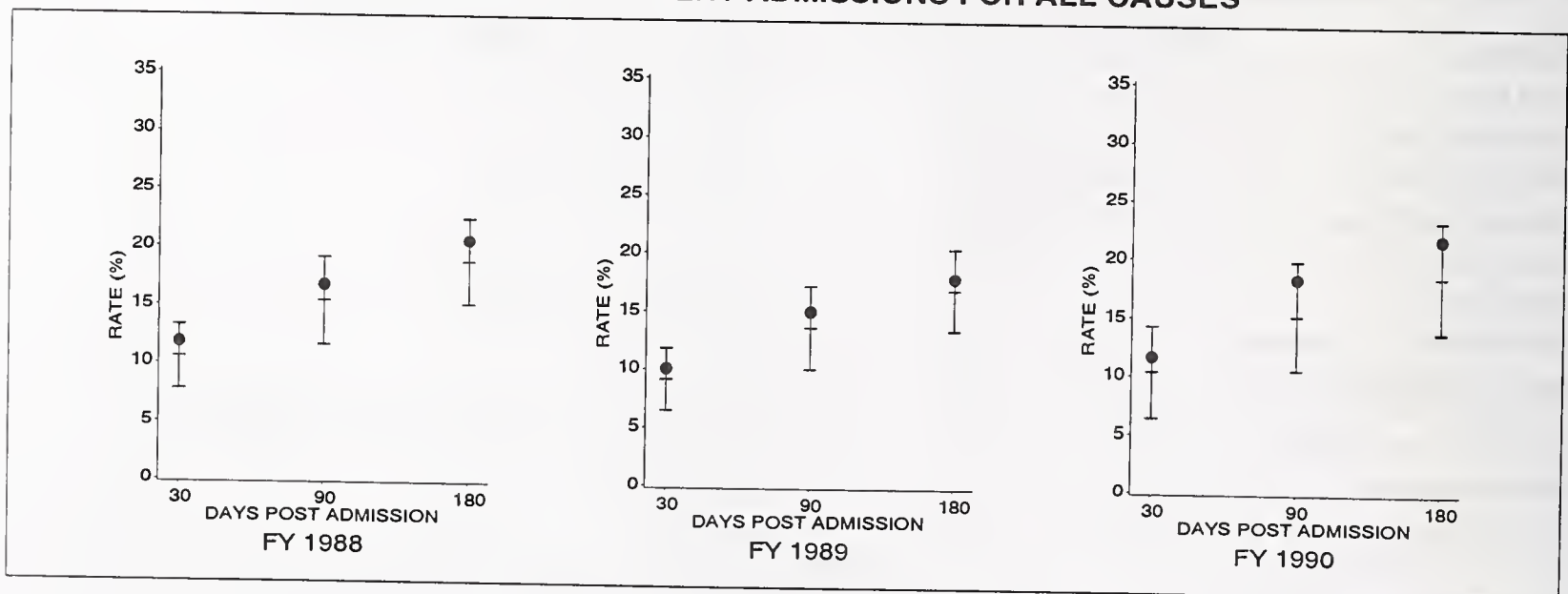
1111 EAST CENTER, BOX 278  
 PRYOR, OK 74361  
 Medicare Provider Number: 370015

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 562                | 11.6                | 10.3 | 2.0  | 18.3    | 15.1 | 2.3  | 21.7     | 18.5 | 2.4  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16                 | 31.3                | 28.9 | ---- | 37.5    | 31.6 | ---- | 43.8     | 34.7 | ---- |
| Congestive Heart Failure.....              | 32                 | 12.5                | 15.1 | ---- | 28.1    | 23.6 | ---- | 34.4     | 30.1 | ---- |
| Pneumonia/Influenza.....                   | 37                 | 18.9                | 13.6 | ---- | 21.6    | 19.2 | ---- | 27.0     | 22.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 33.3                | 9.2  | ---- | 33.3    | 16.6 | ---- | 33.3     | 21.8 | ---- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.4  | ---- | 20.0    | 3.2  | ---- | 20.0     | 5.2  | ---- |
| Stroke.....                                | 28                 | 28.6                | 21.5 | ---- | 39.3    | 28.2 | ---- | 46.4     | 32.6 | ---- |
| Hip Fracture.....                          | 13                 | 0.0                 | 6.3  | ---- | 23.1    | 11.3 | ---- | 30.8     | 14.4 | ---- |
| Sepsis.....                                | 6                  | 33.3                | 30.8 | ---- | 50.0    | 41.2 | ---- | 50.0     | 45.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 3.6  | ---- | 40.0    | 7.0  | ---- | 40.0     | 9.4  | ---- |
| Open Reduction of Hip Fracture.....        | 6                  | 0.0                 | 6.4  | ---- | 16.7    | 11.9 | ---- | 16.7     | 15.5 | ---- |
| Prostatectomy.....                         | 6                  | 0.0                 | 2.6  | ---- | 0.0     | 6.2  | ---- | 0.0      | 10.4 | ---- |
| Cholecystectomy.....                       | 19                 | 0.0                 | 1.0  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.6  | ---- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ---- | 0.0     | 0.2  | ---- | 0.0      | 0.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRAND VALLEY HOSPITAL

Medicare Provider Number: 370015

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.0 years |
| Proportion female.....        | 57.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 35.1 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 5.3 %  |
| Admitted for emergency.....                    | 38.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.6 %  |
| Chronic cardiovascular disease..... | 31.3 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 11.9 % |
| Cerebrovascular degeneration.....   | 2.8 %  |
| Diabetes mellitus.....              | 5.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 71.9%  |
| State .....         | 26.1%  |
| Outside State ..... | 2.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.4 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 43                  |
| Occupancy Rate .....       | 62.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 56.9 %              |
| Case Mix Index (CMI) ..... | 1.0944              |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 12      |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses.....                                     | 39      |
| Licensed Practical Nurses .....                            | 15      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# GROVE GENERAL HOSPITAL

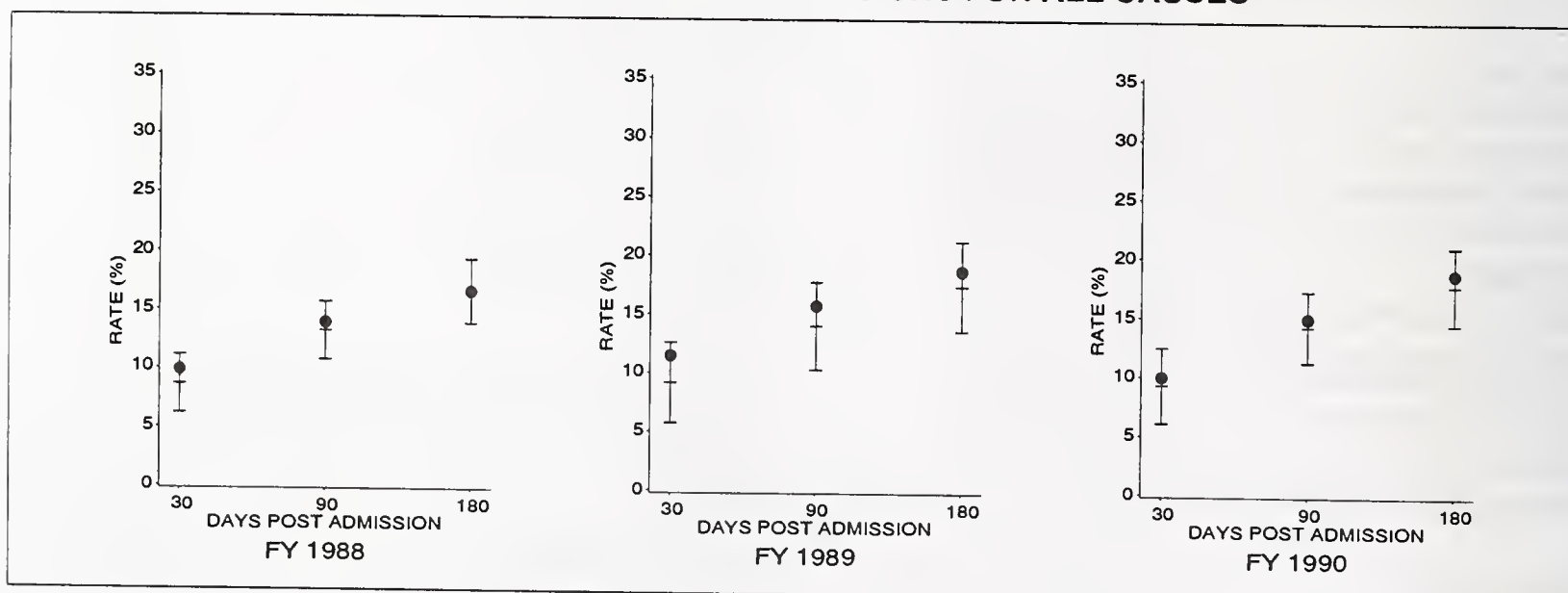
1310 S MAIN  
GROVE, OK 74344  
Medicare Provider Number: 370113

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 781                | 9.9                 | 9.2  | 1.6   | 14.9    | 14.2 | 1.5   | 18.7     | 17.7 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23                 | 34.8                | 27.8 | ----- | 34.8    | 31.6 | ----- | 39.1     | 35.0 | ----- |
| Congestive Heart Failure.....              | 53                 | 7.5                 | 14.1 | 7.5   | 20.8    | 23.5 | 7.4   | 28.3     | 30.2 | 8.6   |
| Pneumonia/Influenza.....                   | 101                | 5.9                 | 10.7 | 5.2   | 12.9    | 15.0 | 5.9   | 15.8     | 17.9 | 4.8   |
| Chronic Obstructive Pulmonary Disease..... | 38                 | 5.3                 | 6.2  | ----- | 10.5    | 11.5 | ----- | 21.1     | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 16                 | 6.3                 | 1.1  | ----- | 6.3     | 2.6  | ----- | 6.3      | 4.4  | ----- |
| Stroke.....                                | 21                 | 33.3                | 15.2 | ----- | 33.3    | 20.6 | ----- | 33.3     | 24.4 | ----- |
| Hip Fracture.....                          | 13                 | 0.0                 | 5.0  | ----- | 0.0     | 8.7  | ----- | 7.7      | 11.5 | ----- |
| Sepsis.....                                | 4                  | 25.0                | 31.0 | ----- | 25.0    | 37.3 | ----- | 25.0     | 41.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 5.9  | ----- | 33.3    | 11.1 | ----- | 66.7     | 14.8 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5                  | 0.0                 | 4.3  | ----- | 0.0     | 8.3  | ----- | 0.0      | 11.3 | ----- |
| Open Reduction of Hip Fracture.....        | 7                  | 0.0                 | 5.1  | ----- | 0.0     | 8.7  | ----- | 14.3     | 11.3 | ----- |
| Prostatectomy.....                         | 13                 | 0.0                 | 1.0  | ----- | 7.7     | 2.6  | ----- | 7.7      | 4.7  | ----- |
| Cholecystectomy.....                       | 13                 | 0.0                 | 1.2  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.2  | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GROVE GENERAL HOSPITAL

Medicare Provider Number: 370113

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.8 years |
| Proportion female.....        | 59.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 77.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.8 %  |
| Admitted for emergency.....                    | 5.1 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.4 %  |
| Chronic cardiovascular disease..... | 17.3 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 1.3 %  |
| Chronic pulmonary disease.....      | 18.7 % |
| Cerebrovascular degeneration.....   | 0.8 %  |
| Diabetes mellitus.....              | 5.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 70.5%  |
| State .....         | 24.6%  |
| Outside State ..... | 4.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.9 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 41                  |
| Occupancy Rate .....       | 73.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 58.0 %              |
| Case Mix Index (CMI) ..... | 1.1060              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 12     |
| Percent of Physicians Board<br>Certified Specialists ..... | 58.3 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 13     |
| Licensed Practical Nurses .....                            | 10     |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARMON MEMORIAL HOSPITAL

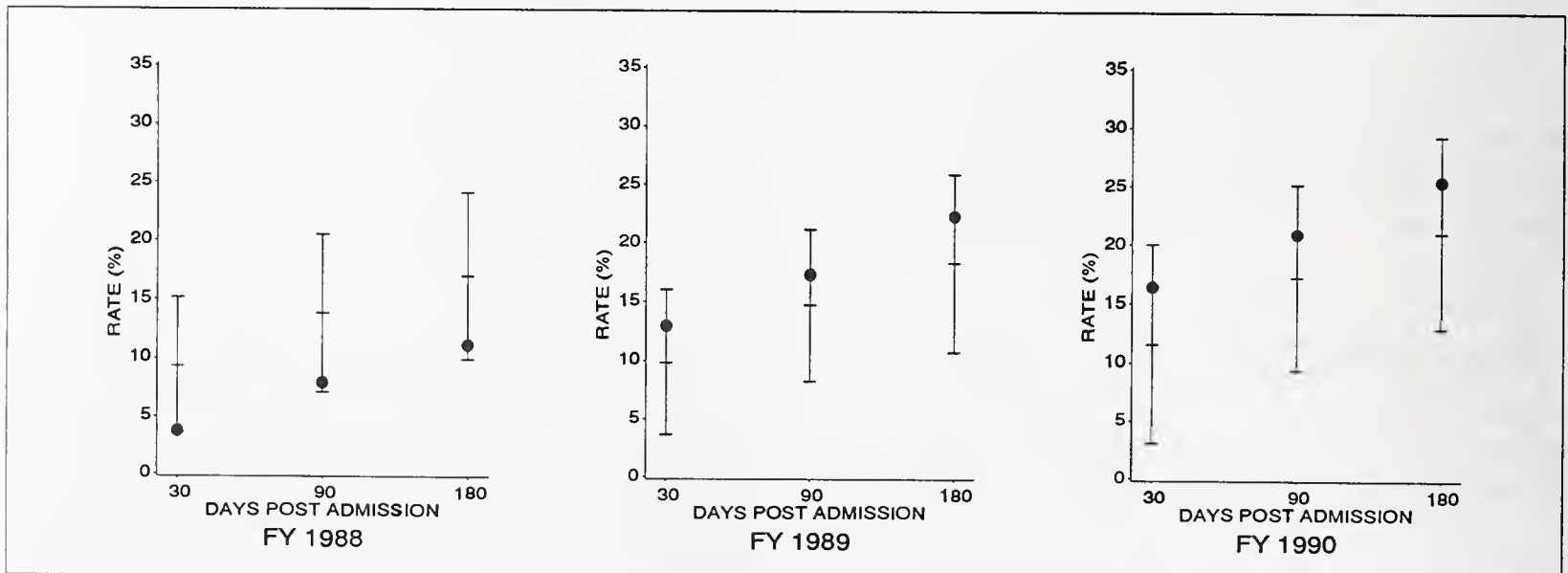
400 E CHESTNUT, BOX 791  
HOLLIS, OK 73550  
Medicare Provider Number: 370036

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 134             | 16.4                | 11.5 | 4.3   | 20.9    | 17.2 | 4.0   | 25.4     | 21.0 | 4.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 100.0               | 42.4 | ----- | 100.0   | 47.0 | ----- | 100.0    | 50.9 | ----- |
| Congestive Heart Failure.....              | 2               | 50.0                | 16.0 | ----- | 100.0   | 25.5 | ----- | 100.0    | 32.9 | ----- |
| Pneumonia/Influenza.....                   | 20              | 10.0                | 15.5 | ----- | 15.0    | 21.6 | ----- | 15.0     | 25.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 2.7  | ----- | 0.0     | 5.8  | ----- | 0.0      | 9.1  | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.8  | ----- | 0.0     | 4.2  | ----- | 0.0      | 6.8  | ----- |
| Stroke.....                                | 7               | 57.1                | 21.0 | ----- | 71.4    | 28.6 | ----- | 71.4     | 32.8 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 0.0                 | 13.2 | ----- | 0.0     | 17.4 | ----- | 0.0      | 21.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.7  | ----- |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HARMON MEMORIAL HOSPITAL

Medicare Provider Number: 370036

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.5 years  
Proportion female..... 51.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 90.3 %  
Transferred from skilled nursing facility..... 0.7 %  
Admitted for elective procedure..... 1.5 %  
Admitted for emergency..... 59.0 %

### COMORBIDITIES:

Cancer..... 3.0 %  
Chronic cardiovascular disease..... 27.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 16.4 %  
Cerebrovascular degeneration..... 1.5 %  
Diabetes mellitus..... 9.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.0%  
State ..... 7.3%  
Outside State ..... 3.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 24  
Occupancy Rate ..... 20.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 69.5 %  
Case Mix Index (CMI) ..... 1.1271

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARPER COUNTY COMMUNITY HOSPITAL INC

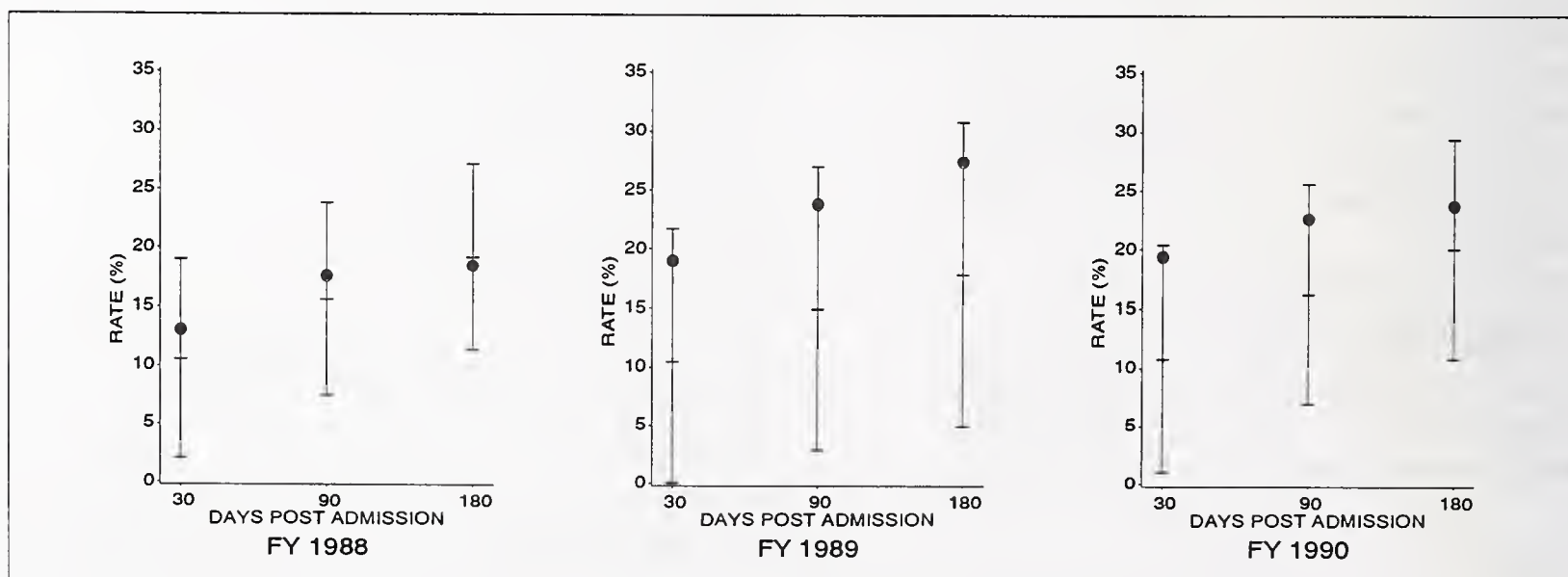
U.S.HWY 64 NORTH, BOX 60  
BUFFALO, OK 73834  
Medicare Provider Number: 370108

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 93                 | 19.4                | 10.7 | 4.9  | 22.6    | 16.2 | 4.7  | 23.7     | 20.0 | 4.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 37.3 | ---- | 0.0     | 39.6 | ---- | 0.0      | 41.9 | ---- |
| Congestive Heart Failure.....              | 7                  | 28.6                | 15.1 | ---- | 28.6    | 21.8 | ---- | 28.6     | 26.6 | ---- |
| Pneumonia/Influenza.....                   | 6                  | 33.3                | 23.0 | ---- | 33.3    | 31.1 | ---- | 33.3     | 35.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 100.0               | 18.4 | ---- | 100.0   | 33.3 | ---- | 100.0    | 40.8 | ---- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.6  | ---- | 0.0     | 3.7  | ---- | 0.0      | 6.1  | ---- |
| Stroke.....                                | 6                  | 33.3                | 19.6 | ---- | 33.3    | 26.6 | ---- | 50.0     | 31.4 | ---- |
| Hip Fracture.....                          | 3                  | 0.0                 | 4.3  | ---- | 0.0     | 8.2  | ---- | 0.0      | 10.8 | ---- |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 3.6  | ---- | 0.0     | 7.2  | ---- | 0.0      | 9.8  | ---- |
| Prostatectomy.....                         | 1                  | 0.0                 | 2.1  | ---- | 0.0     | 4.9  | ---- | 0.0      | 8.4  | ---- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.5  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.6  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARPER COUNTY COMMUNITY HOSPITAL INC

Medicare Provider Number: 370108

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.4 years |
| Proportion female.....        | 59.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 96.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.4 %  |
| Chronic cardiovascular disease..... | 11.8 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 7.5 %  |
| Cerebrovascular degeneration.....   | 2.2 %  |
| Diabetes mellitus.....              | 5.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 61.7%  |
| State .....         | 29.8%  |
| Outside State ..... | 8.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.9 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 25               |
| Occupancy Rate .....       | 20.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | (Not Available)  |
| Case Mix Index (CMI) ..... | 0.9455           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 2      |
| Percent of Physicians Board<br>Certified Specialists ..... | 50.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 6      |
| Licensed Practical Nurses .....                            | 8      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates



# HASKELL COUNTY HOSPITAL

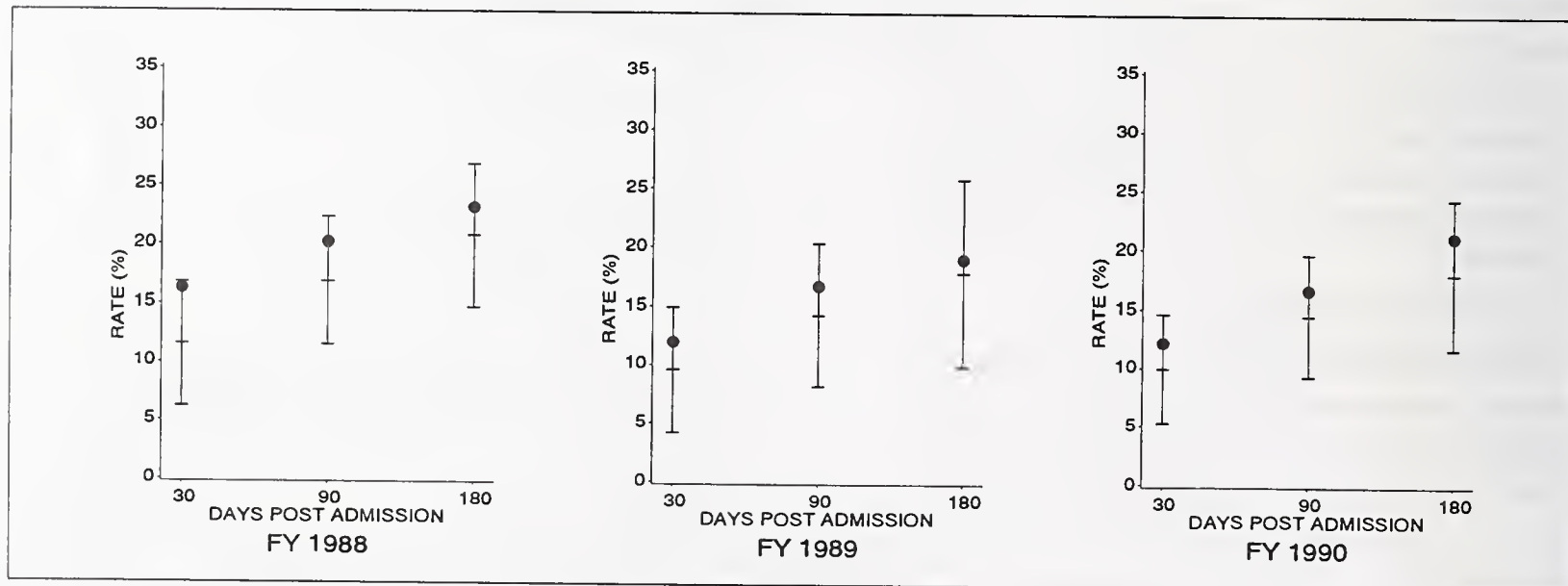
401 NW H ST  
STIGLER, OK 74462  
Medicare Provider Number: 370084

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 247                | 12.1                | 9.9  | 2.3   | 16.6    | 14.4 | 2.6   | 21.1     | 17.9 | 3.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 27.3                | 33.5 | ----- | 45.5    | 36.8 | ----- | 54.5     | 40.8 | ----- |
| Congestive Heart Failure.....              | 20                 | 20.0                | 13.3 | ----- | 25.0    | 20.5 | ----- | 35.0     | 26.5 | ----- |
| Pneumonia/Influenza.....                   | 27                 | 14.8                | 14.0 | ----- | 22.2    | 19.7 | ----- | 33.3     | 23.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 7.3  | ----- | 0.0     | 12.6 | ----- | 14.3     | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 1.4  | ----- | 16.7    | 3.5  | ----- | 16.7     | 5.8  | ----- |
| Stroke.....                                | 9                  | 33.3                | 19.6 | ----- | 44.4    | 26.7 | ----- | 44.4     | 30.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5                  | 0.0                 | 23.9 | ----- | 0.0     | 28.2 | ----- | 20.0     | 31.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 0.9  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HASKELL COUNTY HOSPITAL

Medicare Provider Number: 370084

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.7 years |
| Proportion female.....        | 62.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 97.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 37.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.3 %  |
| Chronic cardiovascular disease..... | 42.1 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 0.8 %  |
| Chronic pulmonary disease.....      | 10.9 % |
| Cerebrovascular degeneration.....   | 2.4 %  |
| Diabetes mellitus.....              | 0.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 76.9%  |
| State .....         | 21.8%  |
| Outside State ..... | 1.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.9 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 31               |
| Occupancy Rate .....       | 25.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 68.6 %           |
| Case Mix Index (CMI) ..... | 0.8864           |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 4               |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/interns .....                            | 0               |
| Registered Nurses.....                                     | 6               |
| Licensed Practical Nurses .....                            | 10              |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HCA PRESBYTERIAN HOSPITAL

NORTHEAST 13TH ST & LINCOLN BLVD

OKLAHOMA CITY, OK 73104

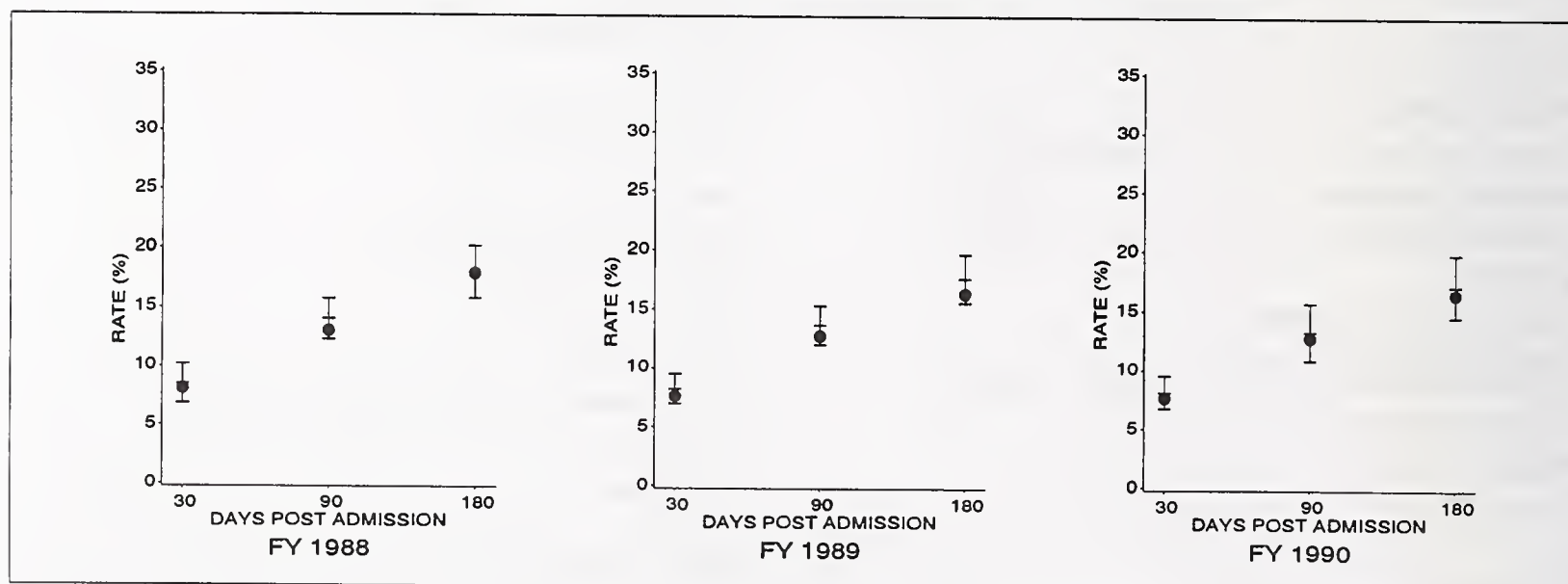
Medicare Provider Number: 370093

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2254            | 7.6                 | 8.1  | 0.7   | 12.7    | 13.2 | 1.2   | 16.4     | 17.1 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 47              | 21.3                | 24.7 | ----- | 23.4    | 27.5 | ----- | 27.7     | 30.1 | ----- |
| Congestive Heart Failure.....              | 82              | 15.9                | 13.4 | 4.9   | 23.2    | 21.6 | 5.3   | 30.5     | 28.1 | 5.4   |
| Pneumonia/Influenza.....                   | 52              | 13.5                | 12.9 | 4.7   | 15.4    | 18.1 | 5.7   | 19.2     | 21.6 | 6.3   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 6.4                 | 8.5  | ----- | 21.3    | 15.1 | ----- | 29.8     | 20.0 | ----- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 1.9  | ----- | 8.3     | 4.2  | ----- | 12.5     | 6.9  | ----- |
| Stroke.....                                | 33              | 18.2                | 20.3 | ----- | 27.3    | 27.4 | ----- | 27.3     | 31.7 | ----- |
| Hip Fracture.....                          | 24              | 4.2                 | 7.7  | ----- | 12.5    | 14.0 | ----- | 12.5     | 18.2 | ----- |
| Sepsis.....                                | 13              | 15.4                | 23.4 | ----- | 30.8    | 33.4 | ----- | 38.5     | 39.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 98              | 3.1                 | 2.9  | 2.3   | 3.1     | 3.9  | 2.5   | 3.1      | 4.8  | 2.8   |
| Coronary Artery Bypass Graft.....          | 93              | 9.7                 | 5.7  | 3.1   | 9.7     | 8.0  | 3.0   | 10.8     | 9.1  | 3.1   |
| Initial Pacemaker Insertion.....           | 24              | 0.0                 | 2.8  | ----- | 4.2     | 5.6  | ----- | 8.3      | 8.2  | ----- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 1.4  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 17              | 0.0                 | 3.6  | ----- | 5.9     | 7.4  | ----- | 5.9      | 10.3 | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 6.9  | ----- | 0.0     | 12.8 | ----- | 0.0      | 17.0 | ----- |
| Prostatectomy.....                         | 48              | 0.0                 | 1.3  | ----- | 6.3     | 3.0  | ----- | 6.3      | 4.9  | ----- |
| Cholecystectomy.....                       | 37              | 8.1                 | 2.9  | ----- | 8.1     | 5.7  | ----- | 10.8     | 8.1  | ----- |
| Hysterectomy.....                          | 34              | 2.9                 | 1.4  | ----- | 5.9     | 3.1  | ----- | 8.8      | 4.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HCA PRESBYTERIAN HOSPITAL

Medicare Provider Number: 370093

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| Average age at admission.....                  | 72.8 years | Cancer.....                         | 12.0 % |
| Proportion female.....                         | 53.9 %     | Chronic cardiovascular disease..... | 34.3 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 1.1 %  |
| Referred by personal or HMO physician.....     | 66.0 %     | Chronic renal disease.....          | 3.5 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 14.1 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 2.9 %  |
| Admitted for emergency.....                    | 29.5 %     | Diabetes mellitus.....              | 9.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

| ORIGIN OF MEDICARE PATIENT ADMISSION: |        | MEDICARE AVERAGE LENGTH OF STAY: |          |
|---------------------------------------|--------|----------------------------------|----------|
| County/City .....                     | 41.8%  | Hospital .....                   | 8.0 Days |
| State .....                           | 55.5%  | State .....                      | 7.6 Days |
| Outside State .....                   | 2.7%   | National .....                   | 8.6 Days |
| Total .....                           | 100.0% |                                  |          |

## HOSPITAL CHARACTERISTICS\*

| SOURCE: AHA Annual Survey of Hospitals** - Survey Year 1990 |                     |                                          |     |
|-------------------------------------------------------------|---------------------|------------------------------------------|-----|
| PROFILE:                                                    |                     | SPECIALTY SERVICES:                      |     |
| Total Beds .....                                            | 316                 | Burn Unit .....                          | No  |
| Occupancy Rate .....                                        | 63.0 %              | Cardiac Intensive Care .....             | No  |
| Ownership/Control.....                                      | Private, For Profit | Comprehensive Geriatric .....            | No  |
| Medicare Discharges .....                                   | 40.3 %              | Hospice Care .....                       | No  |
| Case Mix Index (CMI) .....                                  | 1.5002              | Medical/Surgical Intensive Care .....    | Yes |
| STAFFING:                                                   |                     | Organ/Tissue Transplant .....            | Yes |
| Total Number of Physicians.....                             | 259                 | Other Intensive Care .....               | No  |
| Percent of Physicians Board<br>Certified Specialists .....  | 92.3 %              | Trauma Center .....                      | No  |
| Medical Residents/Interns .....                             | 0                   | OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Registered Nurses.....                                      | 157                 | Alcohol/Drug .....                       | Yes |
| Licensed Practical Nurses .....                             | 65                  | Rehabilitation.....                      | No  |
|                                                             |                     | Psychiatric .....                        | No  |
|                                                             |                     | Medicare Swing Beds .....                | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HEALDTON MUNICIPAL HOSPITAL

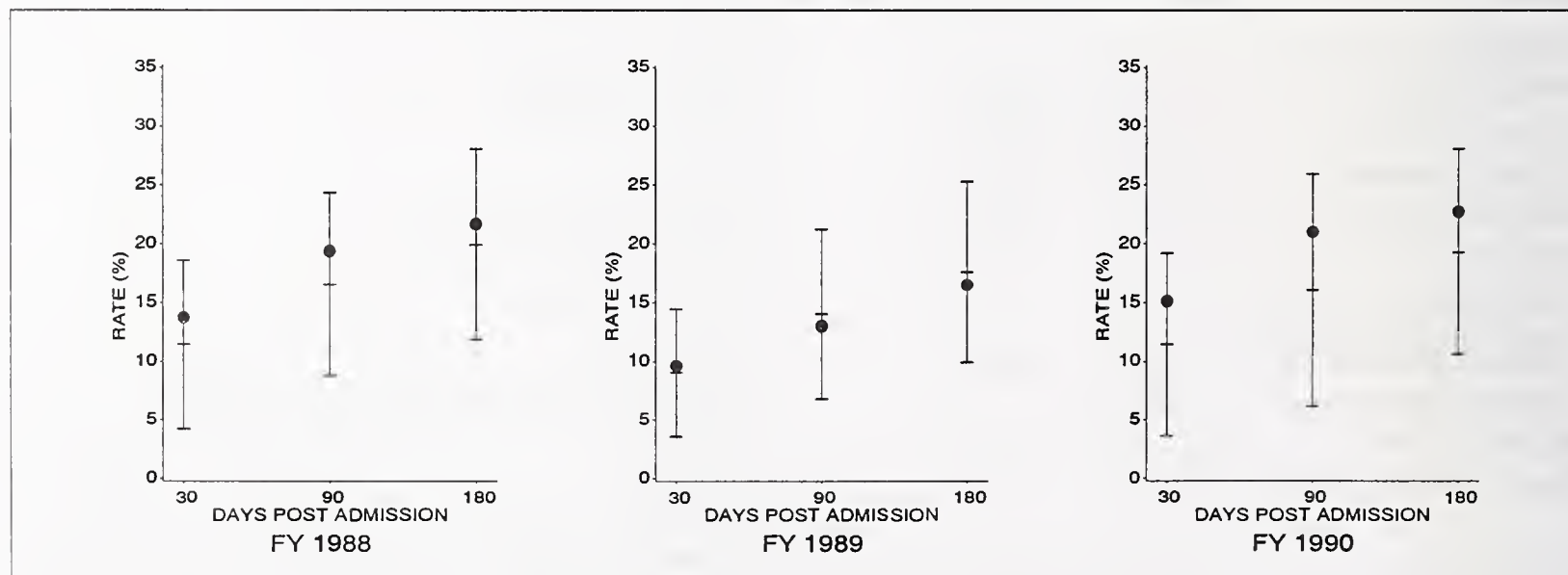
918 SW 8TH, BOX 928  
HEALDTON, OK 73438  
Medicare Provider Number: 370157

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 119                | 15.1                | 11.4 | 3.9   | 21.0    | 16.0 | 5.0   | 22.7     | 19.3 | 4.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 40.0                | 28.8 | ----- | 60.0    | 33.8 | ----- | 60.0     | 37.1 | ----- |
| Congestive Heart Failure.....              | 8                  | 25.0                | 10.2 | ----- | 37.5    | 16.7 | ----- | 37.5     | 21.5 | ----- |
| Pneumonia/Influenza.....                   | 17                 | 23.5                | 12.6 | ----- | 41.2    | 17.9 | ----- | 41.2     | 21.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 9.3  | ----- | 0.0     | 17.3 | ----- | 0.0      | 25.3 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.3  | ----- |
| Stroke.....                                | 8                  | 37.5                | 18.8 | ----- | 37.5    | 23.7 | ----- | 37.5     | 27.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 50.5 | ----- | 100.0   | 57.5 | ----- | 100.0    | 61.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 7                  | 0.0                 | 0.4  | ----- | 0.0     | 1.1  | ----- | 0.0      | 2.0  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.9  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.3  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HEALDTON MUNICIPAL HOSPITAL

Medicare Provider Number: 370157

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.9 years |
| Proportion female.....        | 61.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |         |
|------------------------------------------------|---------|
| Referred by personal or HMO physician.....     | 100.0 % |
| Transferred from skilled nursing facility..... | 0.0 %   |
| Admitted for elective procedure.....           | 0.0 %   |
| Admitted for emergency.....                    | 54.6 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.4 %  |
| Chronic cardiovascular disease..... | 31.1 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 5.0 %  |
| Chronic pulmonary disease.....      | 9.2 %  |
| Cerebrovascular degeneration.....   | 0.8 %  |
| Diabetes mellitus.....              | 5.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 76.4%  |
| State .....         | 22.4%  |
| Outside State ..... | 1.2%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 28               |
| Occupancy Rate .....       | 14.3 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | (Not Available)  |
| Case Mix Index (CMI) ..... | 0.9735           |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates



# HENRYETTA MEDICAL CENTER

DEWEY BARTLETT AND MAIN STS, BOX 1269

HENRYETTA, OK 74437

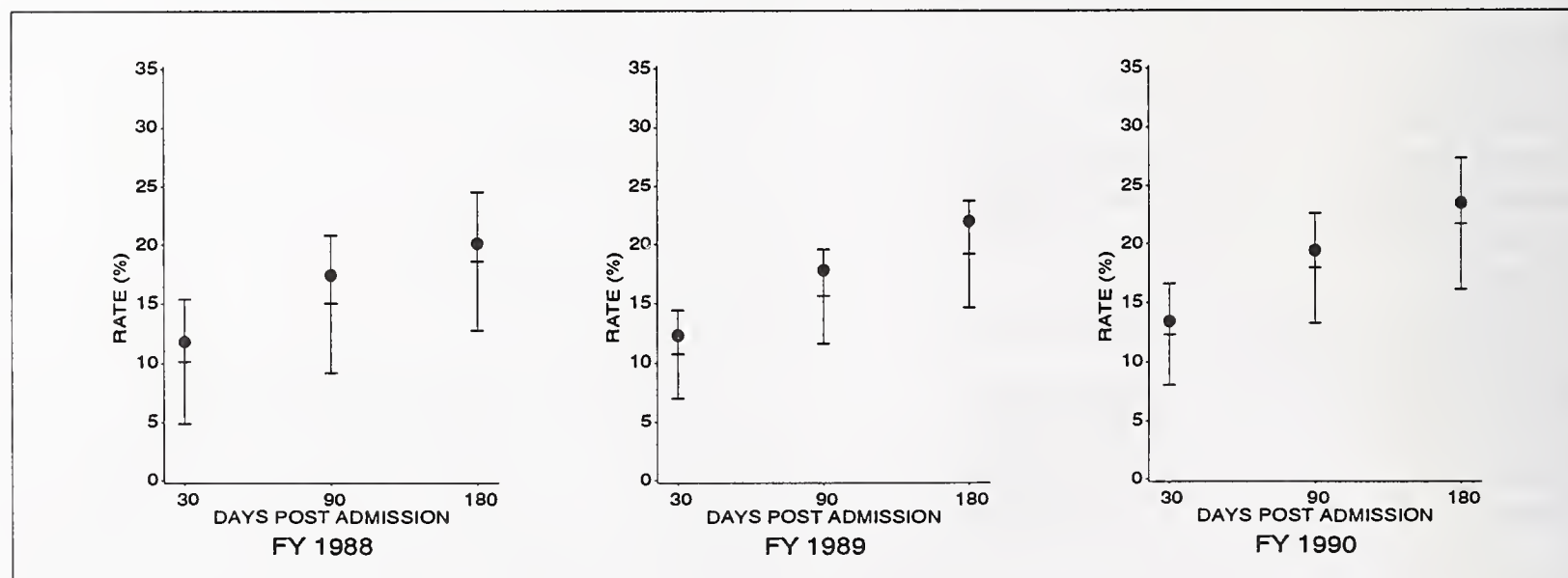
Medicare Provider Number: 370183

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 387             | 13.4                | 12.3 | 2.2   | 19.4    | 17.9 | 2.4   | 23.5     | 21.7 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 14              | 50.0                | 29.1 | ----- | 50.0    | 32.2 | ----- | 50.0     | 35.3 | ----- |
| Congestive Heart Failure.....              | 20              | 5.0                 | 13.0 | ----- | 20.0    | 21.2 | ----- | 30.0     | 27.2 | ----- |
| Pneumonia/Influenza.....                   | 35              | 17.1                | 14.9 | ----- | 22.9    | 20.9 | ----- | 28.6     | 24.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 8.3  | ----- | 0.0     | 13.5 | ----- | 25.0     | 17.9 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 2.1  | ----- | 0.0     | 4.3  | ----- | 100.0    | 7.1  | ----- |
| Stroke.....                                | 20              | 25.0                | 20.2 | ----- | 25.0    | 25.3 | ----- | 30.0     | 29.0 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5               | 0.0                 | 18.8 | ----- | 20.0    | 22.7 | ----- | 20.0     | 25.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 18              | 0.0                 | 1.3  | ----- | 5.6     | 2.8  | ----- | 5.6      | 4.5  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.0  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 3.6  | ----- | 0.0     | 5.7  | ----- | 0.0      | 8.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HENRYETTA MEDICAL CENTER

Medicare Provider Number: 370183

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 53.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 7.8 %

### COMORBIDITIES:

Cancer..... 5.4 %  
Chronic cardiovascular disease..... 33.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 19.4 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.7%  
State ..... 35.4%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 52  
Occupancy Rate ..... 34.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 59.4 %  
Case Mix Index (CMI) ..... 1.1389

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists ..... 14.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 20  
Licensed Practical Nurses..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HILLCREST HEALTH CENTER INC

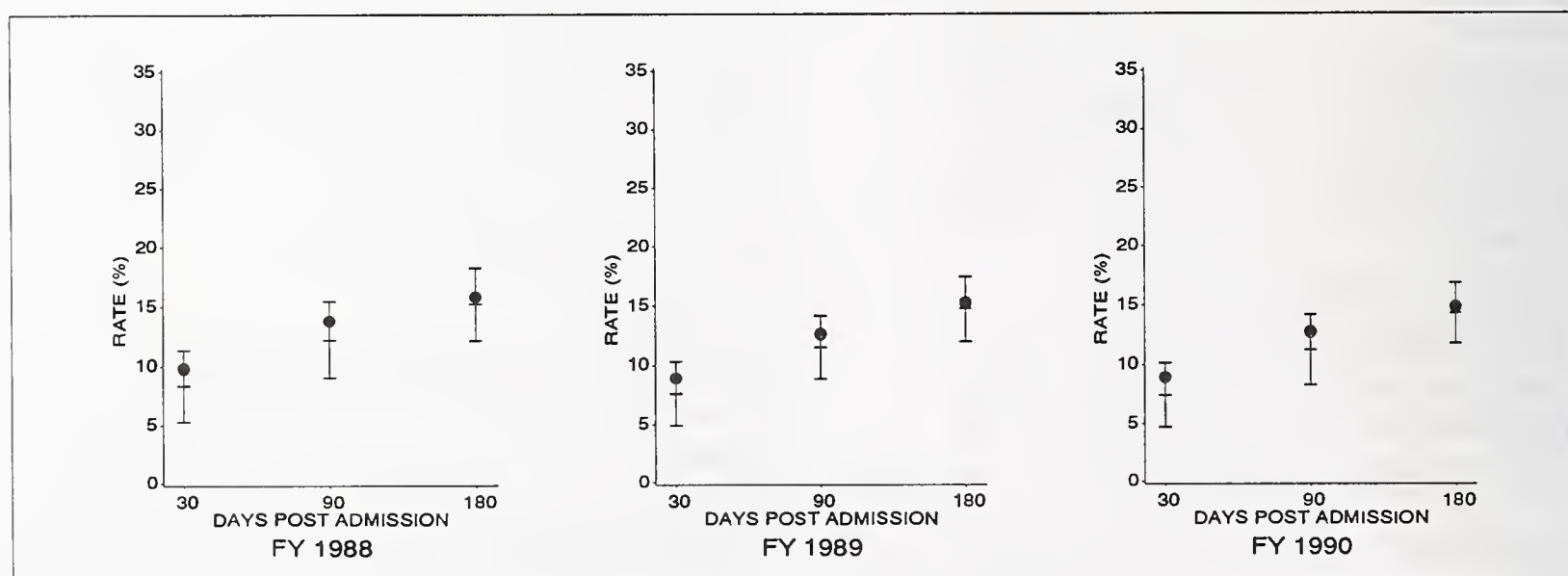
2129 SW 59TH ST  
OKLAHOMA CITY, OK 73119  
Medicare Provider Number: 370123

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 829             | 8.9                 | 7.4  | 1.4   | 12.7    | 11.2 | 1.5   | 14.8     | 14.3 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 20.0                | 23.7 | ----- | 20.0    | 26.3 | ----- | 20.0     | 29.0 | ----- |
| Congestive Heart Failure.....              | 30              | 23.3                | 17.0 | ----- | 43.3    | 26.6 | ----- | 46.7     | 33.5 | ----- |
| Pneumonia/Influenza.....                   | 24              | 20.8                | 17.0 | ----- | 25.0    | 23.0 | ----- | 29.2     | 27.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 0.0                 | 6.7  | ----- | 7.7     | 11.6 | ----- | 7.7      | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 19              | 0.0                 | 1.3  | ----- | 0.0     | 2.9  | ----- | 5.3      | 4.9  | ----- |
| Stroke.....                                | 28              | 17.9                | 16.2 | ----- | 21.4    | 20.5 | ----- | 25.0     | 23.6 | ----- |
| Hip Fracture.....                          | 29              | 10.3                | 6.3  | ----- | 13.8    | 11.6 | ----- | 13.8     | 15.2 | ----- |
| Sepsis.....                                | 5               | 60.0                | 31.4 | ----- | 60.0    | 36.0 | ----- | 60.0     | 40.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 20.0                | 3.3  | ----- | 20.0    | 7.0  | ----- | 40.0     | 10.3 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 20              | 5.0                 | 3.1  | ----- | 10.0    | 6.1  | ----- | 10.0     | 8.4  | ----- |
| Open Reduction of Hip Fracture.....        | 16              | 6.3                 | 6.1  | ----- | 6.3     | 11.1 | ----- | 6.3      | 14.7 | ----- |
| Prostatectomy.....                         | 18              | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.9  | ----- |
| Cholecystectomy.....                       | 12              | 8.3                 | 2.9  | ----- | 8.3     | 6.3  | ----- | 8.3      | 8.9  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HILLCREST HEALTH CENTER INC

Medicare Provider Number: 370123

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.6 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.4 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 46.0 %  
Admitted for emergency..... 51.0 %

### COMORBIDITIES:

Cancer..... 5.5 %  
Chronic cardiovascular disease..... 26.8 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 12.2 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 6.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.8%  
State ..... 36.5%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 186  
Occupancy Rate ..... 64.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.4 %  
Case Mix Index (CMI) ..... 1.1112

### STAFFING:

Total Number of Physicians..... 87  
Percent of Physicians Board  
Certified Specialists..... 37.9 %  
Medical Residents/Interns ..... 13  
Registered Nurses..... 108  
Licensed Practical Nurses ..... 58

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# HILLCREST MEDICAL CENTER

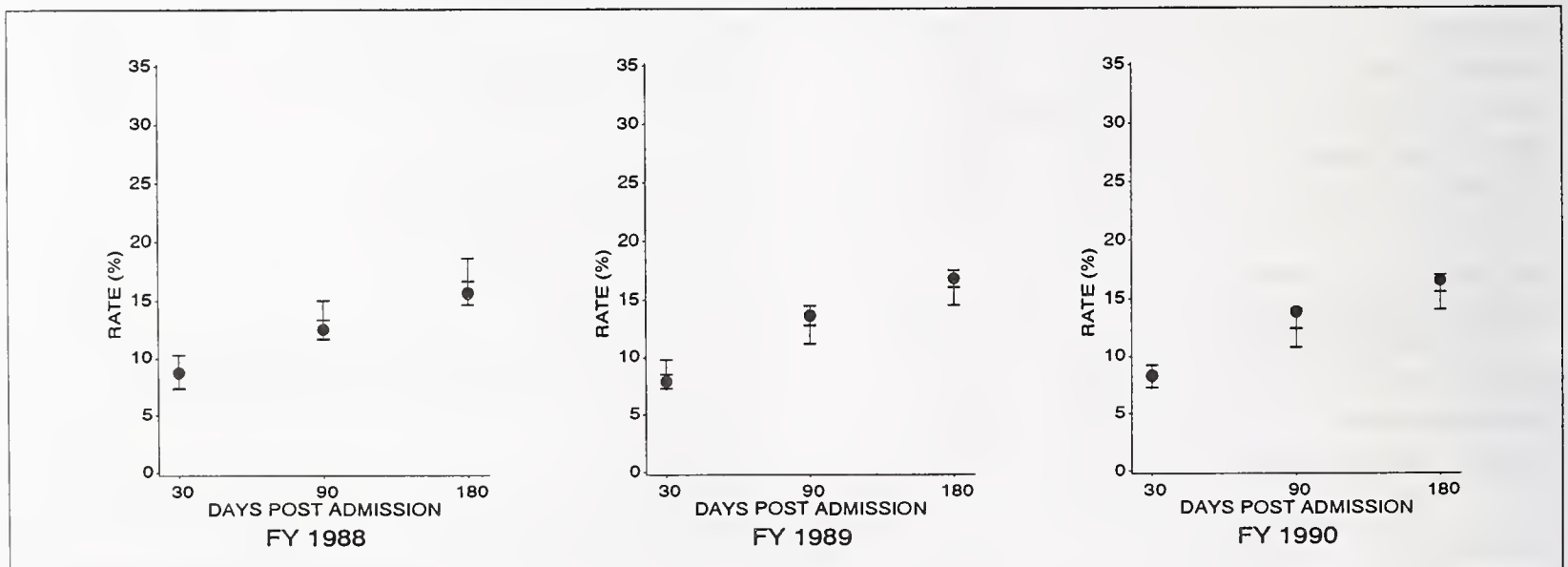
1120 S UTICA AVE  
TULSA, OK 74104  
Medicare Provider Number: 370001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3182            | 8.3                 | 8.2  | 0.5   | 13.8    | 12.4 | 0.8   | 16.5     | 15.5 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 124             | 21.0                | 20.8 | 3.8   | 29.0    | 23.8 | 4.3   | 30.6     | 26.4 | 4.5   |
| Congestive Heart Failure.....              | 138             | 11.6                | 13.9 | 4.2   | 22.5    | 22.0 | 4.6   | 25.4     | 28.2 | 5.0   |
| Pneumonia/Influenza.....                   | 97              | 13.4                | 15.0 | 4.2   | 22.7    | 20.5 | 5.3   | 28.9     | 24.0 | 6.4   |
| Chronic Obstructive Pulmonary Disease..... | 47              | 0.0                 | 6.6  | ----- | 4.3     | 11.4 | ----- | 10.6     | 15.2 | ----- |
| Transient Cerebral Ischemia.....           | 64              | 1.6                 | 1.8  | 1.8   | 4.7     | 4.0  | 2.8   | 6.3      | 6.6  | 3.5   |
| Stroke.....                                | 132             | 18.2                | 18.9 | 3.5   | 28.8    | 25.1 | 4.9   | 30.3     | 28.8 | 4.1   |
| Hip Fracture.....                          | 63              | 1.6                 | 6.9  | 4.5   | 11.1    | 12.0 | 5.3   | 14.3     | 15.4 | 4.8   |
| Sepsis.....                                | 33              | 21.2                | 27.0 | ----- | 33.3    | 36.2 | ----- | 42.4     | 41.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 122             | 7.4                 | 3.4  | 2.4   | 11.5    | 4.3  | 2.9   | 13.1     | 5.3  | 3.2   |
| Coronary Artery Bypass Graft.....          | 95              | 12.6                | 5.0  | 3.7   | 18.9    | 7.0  | 4.5   | 20.0     | 7.9  | 4.4   |
| Initial Pacemaker Insertion.....           | 40              | 0.0                 | 3.9  | ----- | 5.0     | 7.2  | ----- | 5.0      | 9.9  | ----- |
| Carotid Endarterectomy.....                | 21              | 0.0                 | 2.1  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.3  | ----- |
| Hip Replacement/Reconstruction.....        | 59              | 5.1                 | 4.3  | 2.8   | 6.8     | 8.3  | 4.2   | 10.2     | 11.3 | 4.9   |
| Open Reduction of Hip Fracture.....        | 26              | 0.0                 | 6.3  | ----- | 23.1    | 11.1 | ----- | 26.9     | 14.4 | ----- |
| Prostatectomy.....                         | 111             | 0.9                 | 1.2  | 1.0   | 4.5     | 2.8  | 2.3   | 5.4      | 4.8  | 2.1   |
| Cholecystectomy.....                       | 58              | 3.4                 | 3.1  | 2.3   | 3.4     | 6.0  | 4.0   | 10.3     | 8.2  | 4.0   |
| Hysterectomy.....                          | 24              | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HILLCREST MEDICAL CENTER

Medicare Provider Number: 370001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.3 years  
Proportion female..... 53.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.8 %  
Admitted for emergency..... 37.8 %

### COMORBIDITIES:

Cancer..... 5.7 %  
Chronic cardiovascular disease..... 47.2 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 7.0 %  
Chronic pulmonary disease..... 17.9 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 12.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 65.0%  
State ..... 31.5%  
Outside State ..... 3.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 483  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 35.8 %  
Case Mix Index (CMI) ..... 1.6757

### STAFFING:

Total Number of Physicians..... 334  
Percent of Physicians Board  
Certified Specialists ..... 71.3 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# HOLDENVILLE GENERAL HOSPITAL

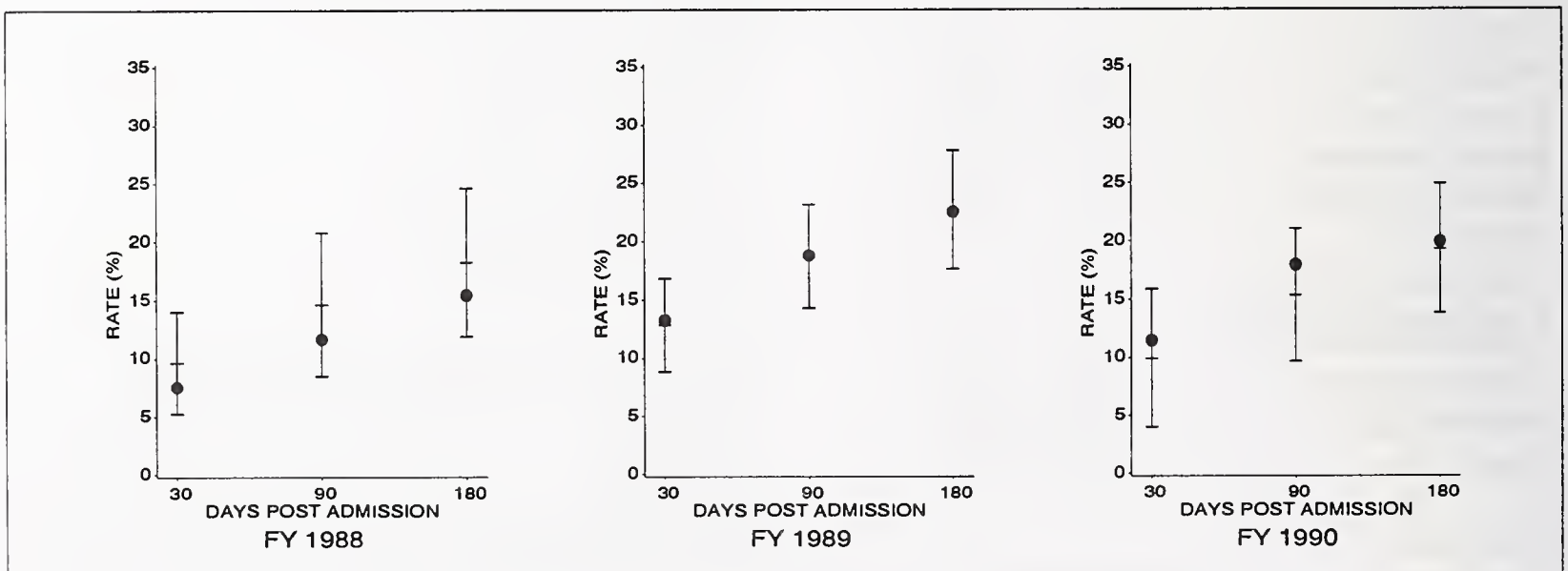
100 CRESTVIEW DR, BOX 878  
HOLDENVILLE, OK 74848  
Medicare Provider Number: 370154

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 307             | 11.4                | 9.9  | 3.0   | 17.9    | 15.3 | 2.9   | 19.9     | 19.3 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 66.7                | 39.8 | ----- | 66.7    | 43.1 | ----- | 66.7     | 46.5 | ----- |
| Congestive Heart Failure.....              | 31              | 29.0                | 16.6 | ----- | 45.2    | 26.3 | ----- | 51.6     | 32.8 | ----- |
| Pneumonia/Influenza.....                   | 35              | 8.6                 | 15.9 | ----- | 8.6     | 21.7 | ----- | 8.6      | 25.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 7.4  | ----- | 0.0     | 13.5 | ----- | 9.1      | 18.4 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.8  | ----- |
| Stroke.....                                | 12              | 33.3                | 15.8 | ----- | 50.0    | 22.8 | ----- | 50.0     | 26.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5               | 0.0                 | 21.9 | ----- | 20.0    | 30.2 | ----- | 20.0     | 35.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 11              | 0.0                 | 1.7  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.0  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HOLDENVILLE GENERAL HOSPITAL

Medicare Provider Number: 370154

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 75.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 56.4 %

### COMORBIDITIES:

Cancer..... 5.5 %  
Chronic cardiovascular disease..... 32.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 15.3 %  
Cerebrovascular degeneration..... 1.6 %  
Diabetes mellitus..... 6.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.0%  
State ..... 19.1%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 22.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 69.3 %  
Case Mix Index (CMI) ..... 0.9775

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 9  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HOMINY CITY HOSPITAL

STATE HWY 99, N BOX 460  
HOMINY, OK 74035  
Medicare Provider Number: 370107

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 23                 | 26.1                | 12.0 | ----- | 34.8    | 18.1 | ----- | 39.1     | 21.5 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 21.8 | ----- | 50.0    | 26.2 | ----- | 50.0     | 29.2 | ----- |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 9.1  | ----- | 50.0    | 16.3 | ----- | 50.0     | 21.2 | ----- |
| Pneumonia/Influenza.....                   | 5                  | 40.0                | 17.3 | ----- | 40.0    | 25.4 | ----- | 40.0     | 29.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 3.1  | ----- | 0.0     | 6.8  | ----- | 0.0      | 10.3 | ----- |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# HOMINY CITY HOSPITAL

Medicare Provider Number: 370107

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 77.4 years | Cancer.....                         | 0.0 %  |
| Proportion female.....                         | 56.5 %     | Chronic cardiovascular disease..... | 39.1 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 0.0 %  |
| Referred by personal or HMO physician.....     | 87.0 %     | Chronic renal disease.....          | 4.3 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 26.1 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 13.0 % |
| Admitted for emergency.....                    | 87.0 %     | Diabetes mellitus.....              | 17.4 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 91.4%  | Hospital .....                          | 4.9 Days |
| State .....                                  | 8.6%   | State .....                             | 7.6 Days |
| Outside State .....                          | 0.0%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                                  |                  |                                                 |     |
|----------------------------------------------------------------------------------|------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> Health Care Financing Administration (OSCAR)** - Survey Year 1989 |                  |                                                 |     |
| <b>PROFILE:</b>                                                                  |                  | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                                 | 26               | Burn Unit .....                                 | No  |
| Ownership/Control.....                                                           | Local Government | Coronary Care Unit .....                        | Yes |
| Case Mix Index (CMI) .....                                                       | 1.0583           | Hospice Care .....                              | No  |
| <b>STAFFING:</b>                                                                 |                  | Intensive Care Unit .....                       | No  |
| Medical Residents/Interns .....                                                  | 0                | Organ Transplant .....                          | No  |
| Registered Nurses.....                                                           | 5                | Trauma Center .....                             | No  |
| Licensed Practical Nurses .....                                                  | 4                | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
|                                                                                  |                  | Alcohol/Drug .....                              | No  |
|                                                                                  |                  | Rehabilitation.....                             | No  |
|                                                                                  |                  | Psychiatric .....                               | No  |
|                                                                                  |                  | Medicare Swing Beds .....                       | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# JACKSON COUNTY MEMORIAL HOSPITAL

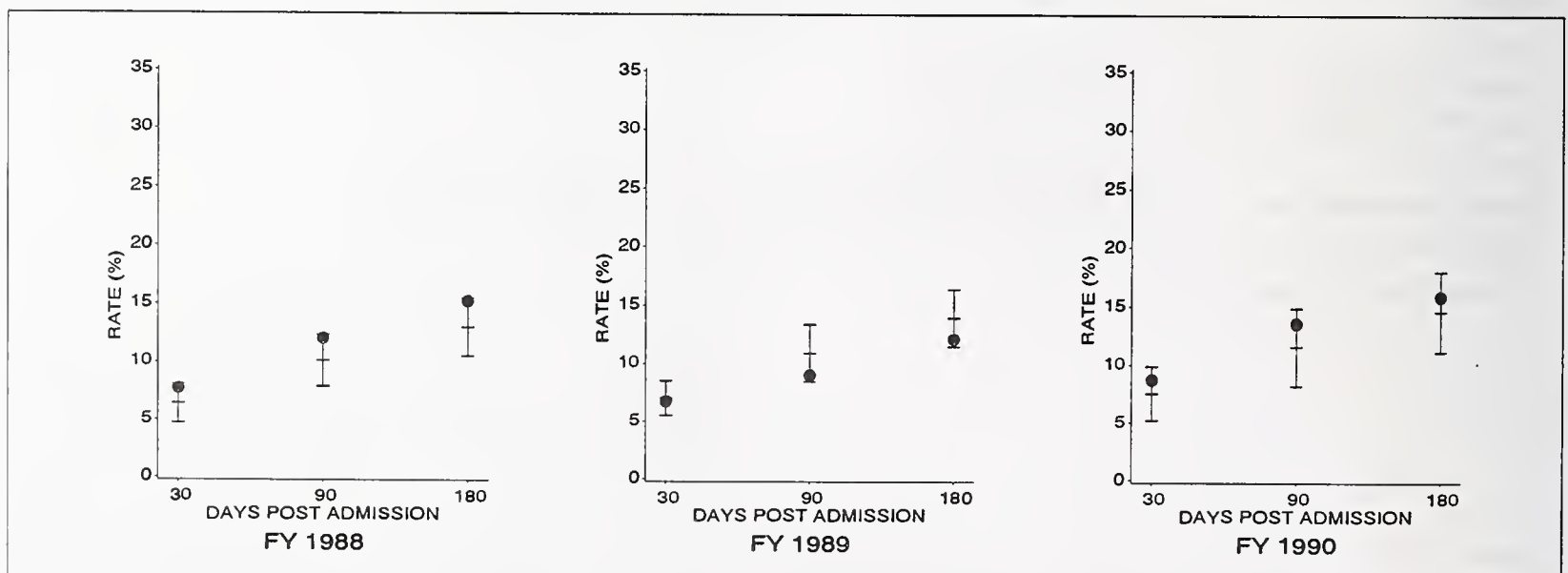
1200 E PECAN  
ALTUS, OK 73521  
Medicare Provider Number: 370022

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1269               | 8.7                 | 7.5  | 1.2   | 13.5    | 11.5 | 1.7   | 15.8     | 14.5 | 1.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33                 | 30.3                | 23.5 | ----- | 45.5    | 27.1 | ----- | 48.5     | 30.0 | ----- |
| Congestive Heart Failure.....              | 42                 | 11.9                | 14.9 | ----- | 11.9    | 23.9 | ----- | 19.0     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 90                 | 23.3                | 16.8 | 5.3   | 33.3    | 23.2 | 7.0   | 37.8     | 27.1 | 7.6   |
| Chronic Obstructive Pulmonary Disease..... | 23                 | 8.7                 | 7.9  | ----- | 8.7     | 13.7 | ----- | 13.0     | 17.9 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.3  | ----- | 10.0    | 3.2  | ----- | 10.0     | 5.3  | ----- |
| Stroke.....                                | 50                 | 12.0                | 19.4 | ----- | 18.0    | 27.1 | ----- | 22.0     | 31.5 | ----- |
| Hip Fracture.....                          | 69                 | 7.2                 | 6.5  | 3.3   | 14.5    | 11.4 | 4.9   | 15.9     | 14.7 | 4.6   |
| Sepsis.....                                | 12                 | 16.7                | 23.5 | ----- | 25.0    | 30.8 | ----- | 33.3     | 35.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11                 | 0.0                 | 4.2  | ----- | 9.1     | 7.7  | ----- | 27.3     | 10.5 | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 51                 | 2.0                 | 3.6  | 3.0   | 7.8     | 6.2  | 3.6   | 11.8     | 8.0  | 5.1   |
| Open Reduction of Hip Fracture.....        | 43                 | 9.3                 | 5.9  | ----- | 11.6    | 10.9 | ----- | 11.6     | 14.3 | ----- |
| Prostatectomy.....                         | 39                 | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 2.6      | 3.3  | ----- |
| Cholecystectomy.....                       | 39                 | 7.7                 | 2.2  | ----- | 12.8    | 3.8  | ----- | 12.8     | 4.9  | ----- |
| Hysterectomy.....                          | 6                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JACKSON COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 370022

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.3 years |
| Proportion female.....        | 61.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 44.9 % |
| Admitted for emergency.....                    | 53.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.1 %  |
| Chronic cardiovascular disease..... | 23.2 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 1.1 %  |
| Chronic pulmonary disease.....      | 7.6 %  |
| Cerebrovascular degeneration.....   | 5.2 %  |
| Diabetes mellitus.....              | 6.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 65.8%  |
| State .....         | 28.5%  |
| Outside State ..... | 5.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.7 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 132                |
| Occupancy Rate .....       | 59.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 53.3 %             |
| Case Mix Index (CMI) ..... | 1.2449             |

### STAFFING:

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| Total Number of Physicians.....                           | 22              |
| Percent of Physicians Board<br>Certified Specialists..... | 63.6 %          |
| Medical Residents/Interns .....                           | (Not Available) |
| Registered Nurses.....                                    | (Not Available) |
| Licensed Practical Nurses .....                           | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# JANE PHILLIPS EPISCOPAL MEM MED CENTER

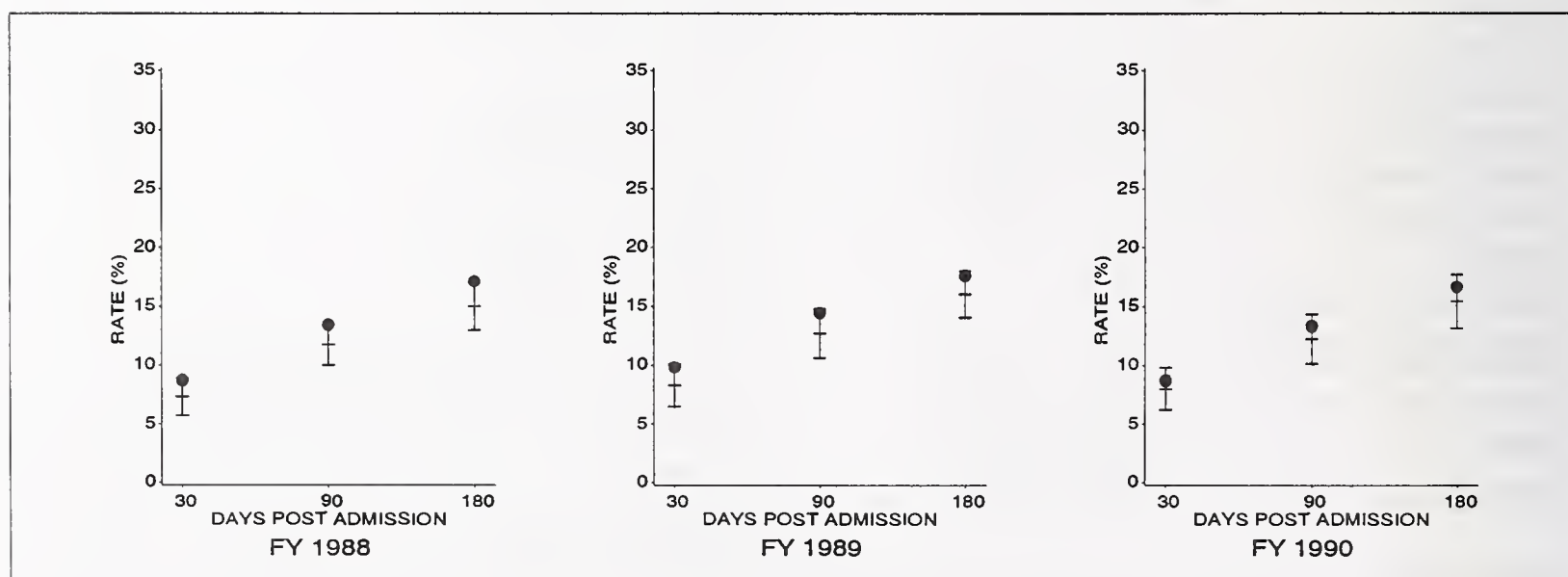
410 3500 E FRANK PHILLIPS BLVD  
BARTLESVILLE, OK 74006  
Medicare Provider Number: 370018

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1997               | 8.7                 | 8.0  | 0.9  | 13.3    | 12.2 | 1.0  | 16.6     | 15.4 | 1.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 57                 | 29.8                | 28.8 | 6.4  | 35.1    | 31.8 | 7.1  | 38.6     | 34.6 | 7.2  |
| Congestive Heart Failure.....              | 88                 | 11.4                | 12.9 | 5.1  | 19.3    | 20.6 | 4.5  | 30.7     | 26.4 | 6.1  |
| Pneumonia/Influenza.....                   | 56                 | 19.6                | 16.2 | 7.4  | 26.8    | 22.3 | 7.1  | 28.6     | 26.2 | 6.5  |
| Chronic Obstructive Pulmonary Disease..... | 27                 | 11.1                | 8.9  | ---- | 22.2    | 15.9 | ---- | 25.9     | 21.0 | ---- |
| Transient Cerebral Ischemia.....           | 35                 | 0.0                 | 1.6  | ---- | 0.0     | 3.6  | ---- | 8.6      | 5.8  | ---- |
| Stroke.....                                | 91                 | 19.8                | 17.2 | 4.1  | 24.2    | 23.0 | 4.4  | 26.4     | 26.4 | 5.4  |
| Hip Fracture.....                          | 87                 | 4.6                 | 5.2  | 2.5  | 10.3    | 9.6  | 3.3  | 14.9     | 12.8 | 5.0  |
| Sepsis.....                                | 19                 | 31.6                | 29.2 | ---- | 36.8    | 36.5 | ---- | 42.1     | 40.8 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 22                 | 4.5                 | 3.8  | ---- | 9.1     | 7.5  | ---- | 9.1      | 10.5 | ---- |
| Carotid Endarterectomy.....                | 16                 | 0.0                 | 1.1  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.1  | ---- |
| Hip Replacement/Reconstruction.....        | 66                 | 3.0                 | 2.7  | 2.1  | 6.1     | 5.2  | 3.0  | 13.6     | 7.2  | 4.1  |
| Open Reduction of Hip Fracture.....        | 45                 | 2.2                 | 5.0  | ---- | 8.9     | 9.6  | ---- | 8.9      | 13.0 | ---- |
| Prostatectomy.....                         | 93                 | 2.2                 | 0.7  | 1.8  | 2.2     | 1.7  | 1.8  | 2.2      | 3.1  | 2.4  |
| Cholecystectomy.....                       | 48                 | 2.1                 | 1.8  | ---- | 2.1     | 3.5  | ---- | 2.1      | 4.8  | ---- |
| Hysterectomy.....                          | 20                 | 0.0                 | 0.3  | ---- | 0.0     | 0.8  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JANE PHILLIPS EPISCOPAL MEM MED CENTER

Medicare Provider Number: 370018

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 56.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 18.7 %  
Admitted for emergency..... 45.8 %

### COMORBIDITIES:

Cancer..... 8.7 %  
Chronic cardiovascular disease..... 26.1 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 11.7 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 4.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.7%  
State ..... 20.0%  
Outside State ..... 18.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 312  
Occupancy Rate ..... 59.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 39.9 %  
Case Mix Index (CMI) ..... 1.1954

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 99  
Licensed Practical Nurses ..... 118

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# JANE PHILLIPS NOWATA HEALTH CENTER

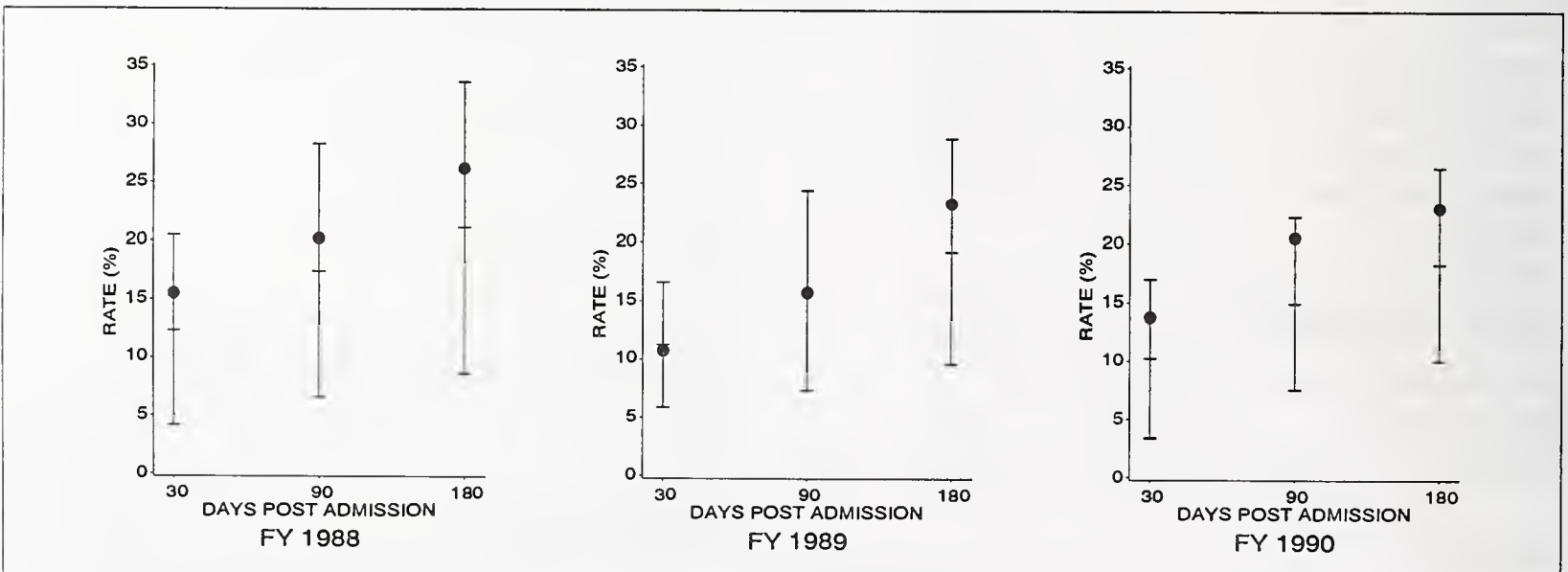
237 S LOCUST, BOX 426  
NOWATA, OK 74048  
Medicare Provider Number: 370021

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 161             | 13.7                | 10.2 | 3.4   | 20.5    | 14.9 | 3.7   | 23.0     | 18.2 | 4.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 27.2 | ----- | 33.3    | 31.6 | ----- | 33.3     | 35.5 | ----- |
| Congestive Heart Failure.....              | 8               | 37.5                | 17.3 | ----- | 62.5    | 28.3 | ----- | 75.0     | 36.4 | ----- |
| Pneumonia/Influenza.....                   | 21              | 14.3                | 12.8 | ----- | 23.8    | 18.0 | ----- | 23.8     | 21.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 9.0  | ----- | 20.0    | 16.8 | ----- | 20.0     | 22.3 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.4  | ----- | 0.0     | 3.8  | ----- | 33.3     | 7.0  | ----- |
| Stroke.....                                | 3               | 0.0                 | 18.7 | ----- | 33.3    | 23.6 | ----- | 33.3     | 27.4 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 0.0                 | 26.3 | ----- | 0.0     | 35.1 | ----- | 0.0      | 38.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.8  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JANE PHILLIPS NOWATA HEALTH CENTER

Medicare Provider Number: 370021

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 57.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.2 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 31.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 17.4 %  
Cerebrovascular degeneration..... 5.6 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.4%  
State..... 11.3%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.5 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 33  
Occupancy Rate..... 30.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 53.5 %  
Case Mix Index (CMI)..... 0.8997

### STAFFING:

Total Number of Physicians..... 18  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEFFERSON COUNTY HOSPITAL

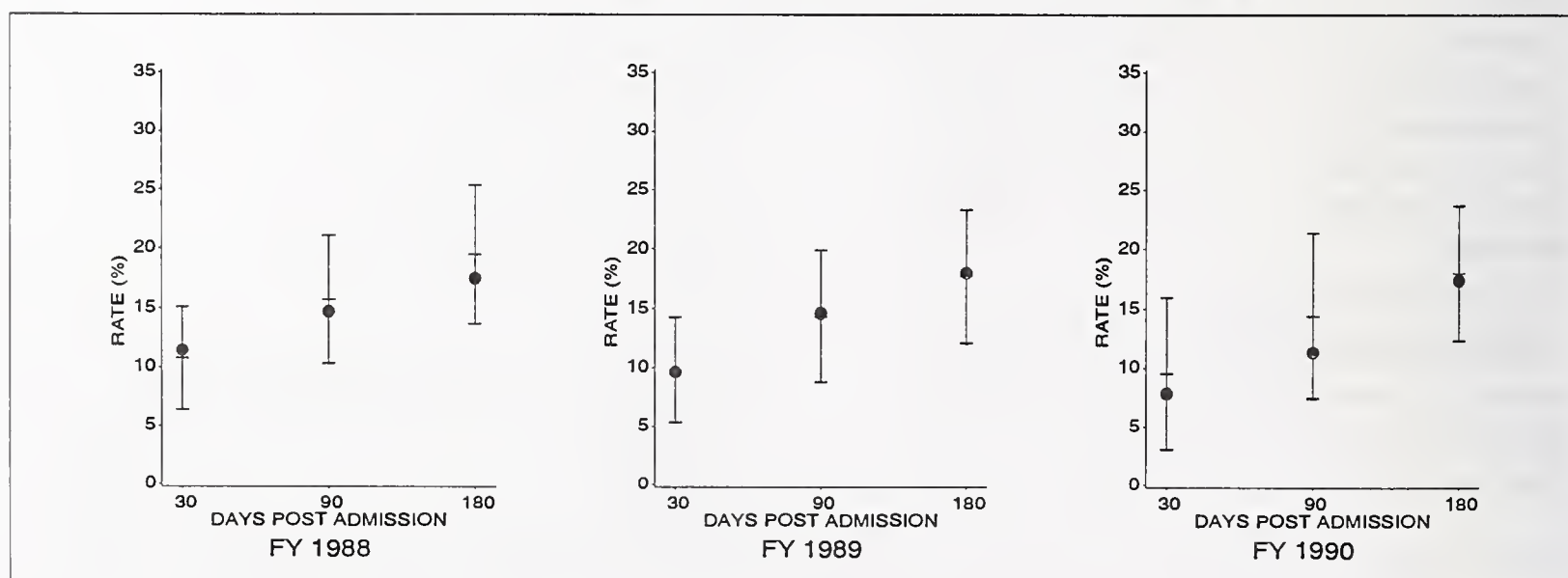
U S HIGHWAYS 70 & 81, BOX 90  
WAURIKA, OK 73573  
Medicare Provider Number: 370165

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 282                | 7.8                 | 9.5  | 3.2   | 11.3    | 14.4 | 3.5   | 17.4     | 18.0 | 2.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 27.3                | 27.6 | ----- | 36.4    | 30.5 | ----- | 36.4     | 33.8 | ----- |
| Congestive Heart Failure.....              | 18                 | 16.7                | 11.3 | ----- | 16.7    | 18.3 | ----- | 22.2     | 23.9 | ----- |
| Pneumonia/Influenza.....                   | 18                 | 5.6                 | 10.2 | ----- | 11.1    | 14.6 | ----- | 11.1     | 18.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 6.6  | ----- | 0.0     | 13.2 | ----- | 20.0     | 18.6 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 2.5  | ----- | 0.0     | 5.4  | ----- | 33.3     | 8.6  | ----- |
| Stroke.....                                | 5                  | 40.0                | 23.6 | ----- | 40.0    | 29.6 | ----- | 40.0     | 33.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 4                  | 50.0                | 18.7 | ----- | 50.0    | 23.2 | ----- | 50.0     | 27.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JEFFERSON COUNTY HOSPITAL

Medicare Provider Number: 370165

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 61.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 70.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 4.3 %  |
| Admitted for emergency.....                    | 22.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.2 %  |
| Chronic cardiovascular disease..... | 38.3 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 2.5 %  |
| Chronic pulmonary disease.....      | 25.5 % |
| Cerebrovascular degeneration.....   | 5.3 %  |
| Diabetes mellitus.....              | 8.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 49.7%  |
| State .....         | 47.2%  |
| Outside State ..... | 3.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.7 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 31               |
| Occupancy Rate .....       | 41.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 61.8 %           |
| Case Mix Index (CMI) ..... | 1.0736           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 23     |
| Percent of Physicians Board<br>Certified Specialists ..... | 95.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 8      |
| Licensed Practical Nurses .....                            | 8      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# JOHNSTON MEMORIAL HOSPITAL

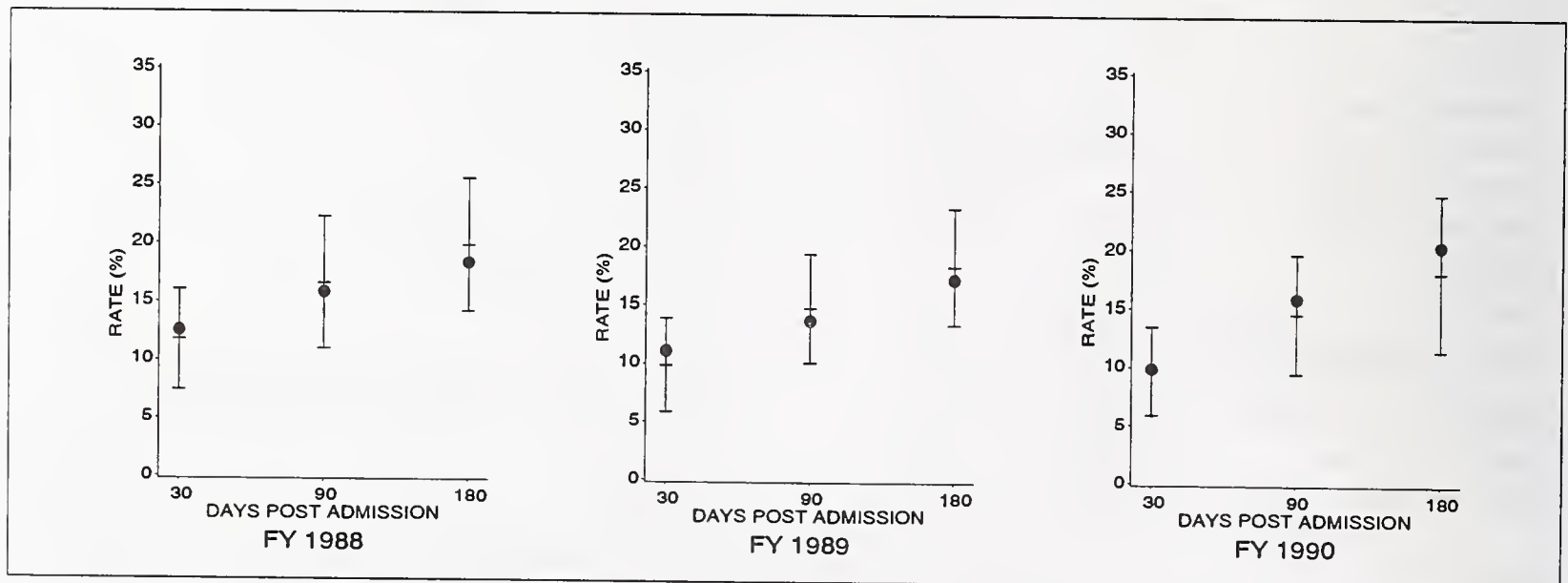
1101 S BYRD, BOX 488  
TISHOMINGO, OK 73460  
Medicare Provider Number: 370086

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 266             | 9.8                 | 9.6  | 1.9   | 15.8    | 14.5 | 2.6   | 20.3     | 18.0 | 3.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 57.1                | 25.6 | ----- | 71.4    | 28.2 | ----- | 71.4     | 31.2 | ----- |
| Congestive Heart Failure.....              | 16              | 25.0                | 13.6 | ----- | 43.8    | 21.9 | ----- | 43.8     | 27.5 | ----- |
| Pneumonia/Influenza.....                   | 19              | 21.1                | 11.8 | ----- | 21.1    | 16.8 | ----- | 31.6     | 20.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 5.0  | ----- | 0.0     | 8.7  | ----- | 0.0      | 12.2 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.9  | ----- |
| Stroke.....                                | 14              | 7.1                 | 18.2 | ----- | 14.3    | 23.3 | ----- | 28.6     | 27.0 | ----- |
| Hip Fracture.....                          | 7               | 0.0                 | 8.0  | ----- | 0.0     | 13.0 | ----- | 14.3     | 16.8 | ----- |
| Sepsis.....                                | 1               | 0.0                 | 8.4  | ----- | 0.0     | 12.9 | ----- | 0.0      | 14.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 6.1  | ----- | 0.0     | 10.4 | ----- | 16.7     | 14.0 | ----- |
| Prostatectomy.....                         | 4               | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.9  | ----- |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.9  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# JOHNSTON MEMORIAL HOSPITAL

Medicare Provider Number: 370086

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.9 years |
| Proportion female.....        | 60.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 32.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 0.8 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 3.4 %  |
| Chronic cardiovascular disease..... | 39.5 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 2.3 %  |
| Chronic pulmonary disease.....      | 19.5 % |
| Cerebrovascular degeneration.....   | 7.5 %  |
| Diabetes mellitus.....              | 6.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 85.9%  |
| State .....         | 12.2%  |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 42               |
| Occupancy Rate .....       | 35.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 59.2 %           |
| Case Mix Index (CMI) ..... | 1.0937           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 4      |
| Percent of Physicians Board<br>Certified Specialists ..... | 75.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 8      |
| Licensed Practical Nurses .....                            | 15     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# KINGFISHER REGIONAL HOSPITAL

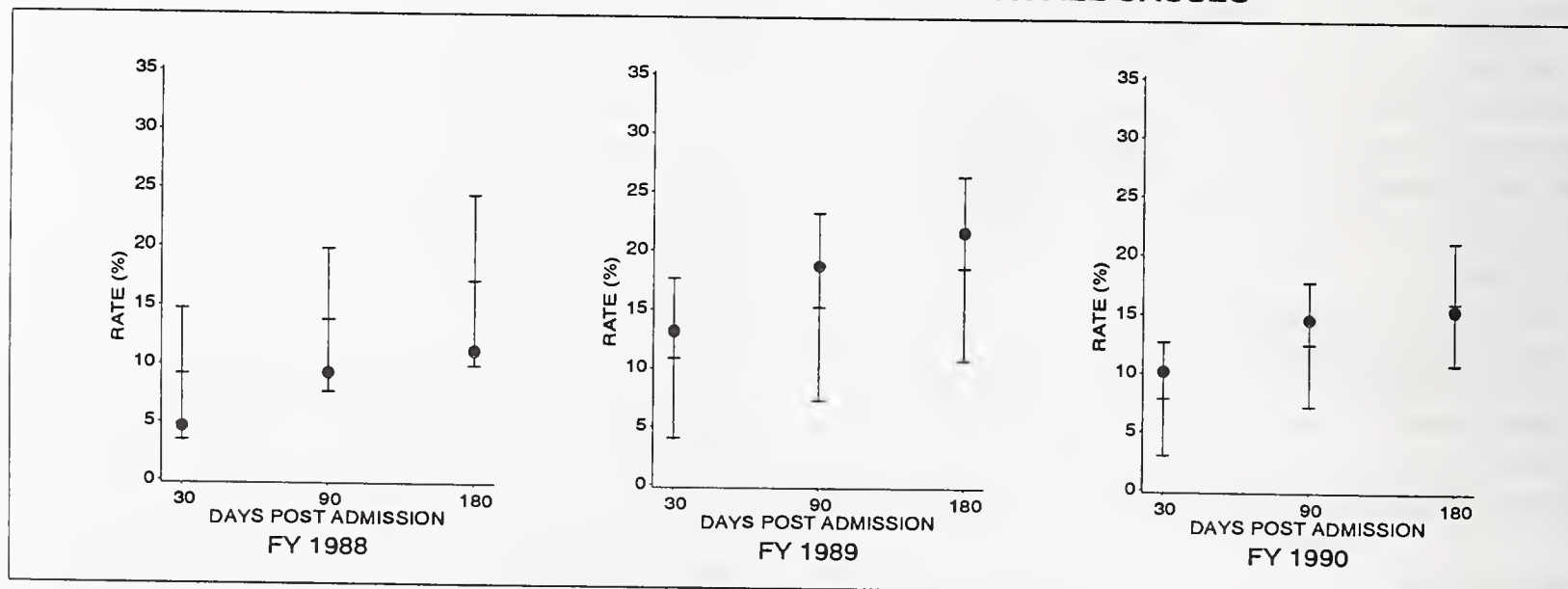
500 S 9TH ST, BOX 59  
KINGFISHER, OK 73750  
Medicare Provider Number: 370079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 248             | 10.1                | 7.8  | 2.4   | 14.5    | 12.4 | 2.6   | 15.3     | 15.9 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 25.0                | 24.4 | ----- | 25.0    | 26.5 | ----- | 25.0     | 29.1 | ----- |
| Congestive Heart Failure.....              | 18              | 11.1                | 14.3 | ----- | 22.2    | 22.4 | ----- | 22.2     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 20              | 15.0                | 14.7 | ----- | 20.0    | 20.8 | ----- | 20.0     | 25.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 66.7                | 17.7 | ----- | 100.0   | 31.9 | ----- | 100.0    | 40.0 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 2.2  | ----- | 11.1    | 5.1  | ----- | 11.1     | 8.2  | ----- |
| Stroke.....                                | 5               | 80.0                | 15.2 | ----- | 80.0    | 20.0 | ----- | 80.0     | 23.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 30.7 | ----- | 100.0   | 38.2 | ----- | 100.0    | 44.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4               | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.1  | ----- |
| Cholecystectomy.....                       | 8               | 0.0                 | 0.9  | ----- | 0.0     | 1.5  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# KINGFISHER REGIONAL HOSPITAL

Medicare Provider Number: 370079

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.6 years |
| Proportion female.....        | 62.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 0.8 %  |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 8.1 %  |
| Admitted for emergency.....                    | 49.2 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.2 %  |
| Chronic cardiovascular disease..... | 24.6 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 0.4 %  |
| Chronic pulmonary disease.....      | 5.2 %  |
| Cerebrovascular degeneration.....   | 5.6 %  |
| Diabetes mellitus.....              | 4.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.0%  |
| State .....         | 18.3%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.0 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 38                  |
| Occupancy Rate .....       | 31.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 45.9 %              |
| Case Mix Index (CMI) ..... | 0.8449              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LATIMER COUNTY GENERAL HOSPITAL

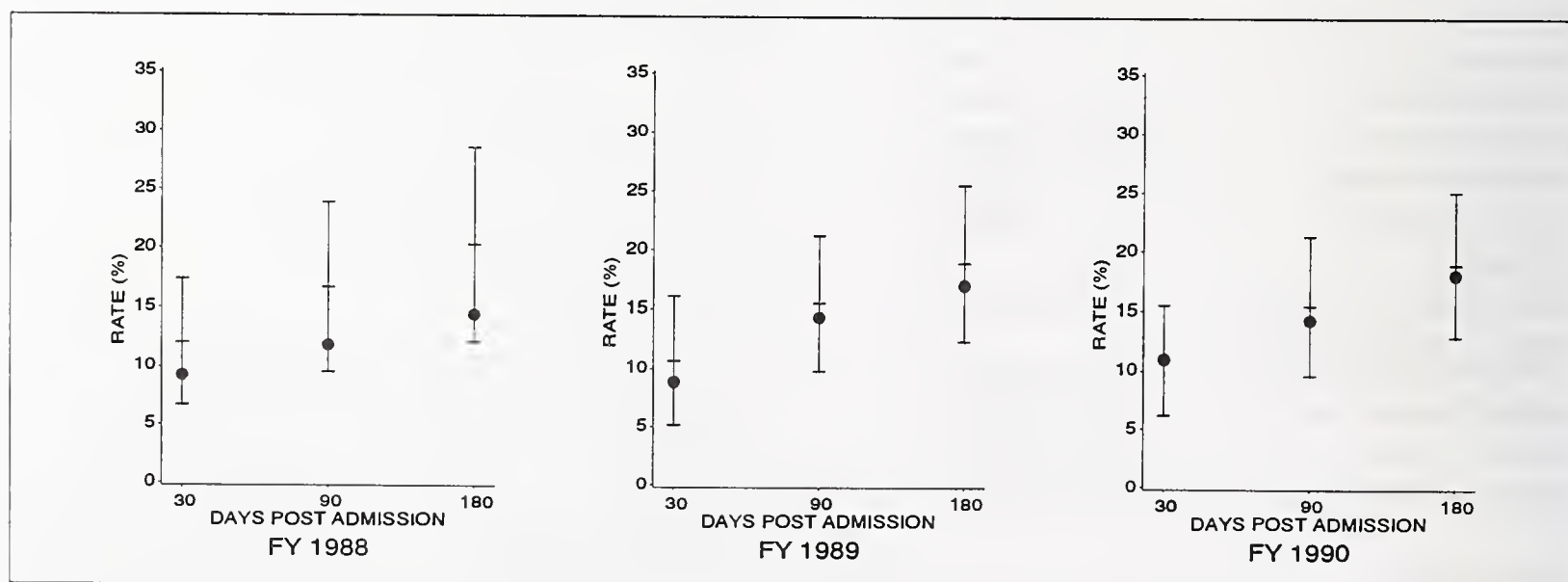
806 STATE HIGHWAY 2 NORTH  
WILBURTON, OK 74578  
Medicare Provider Number: 370072

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 183                | 10.9                | 10.8 | 2.3   | 14.2    | 15.4 | 3.0   | 18.0     | 18.9 | 3.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 12.5                | 28.6 | ----- | 12.5    | 30.6 | ----- | 12.5     | 32.9 | ----- |
| Congestive Heart Failure.....              | 15                 | 6.7                 | 15.0 | ----- | 13.3    | 23.7 | ----- | 13.3     | 30.1 | ----- |
| Pneumonia/Influenza.....                   | 26                 | 3.8                 | 14.1 | ----- | 3.8     | 19.0 | ----- | 7.7      | 22.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 5.5  | ----- | 0.0     | 9.4  | ----- | 0.0      | 13.2 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 4.6  | ----- | 0.0     | 10.7 | ----- | 50.0     | 17.8 | ----- |
| Stroke.....                                | 8                  | 50.0                | 25.0 | ----- | 62.5    | 31.3 | ----- | 75.0     | 35.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LATIMER COUNTY GENERAL HOSPITAL

Medicare Provider Number: 370072

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.5 years  
Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 95.6 %

### COMORBIDITIES:

Cancer..... 3.3 %  
Chronic cardiovascular disease..... 37.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.1 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 12.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 81.2%  
State ..... 17.7%  
Outside State ..... 1.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 33  
Occupancy Rate ..... 18.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 0.9488

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# LINDSAY MUNICIPAL HOSPITAL

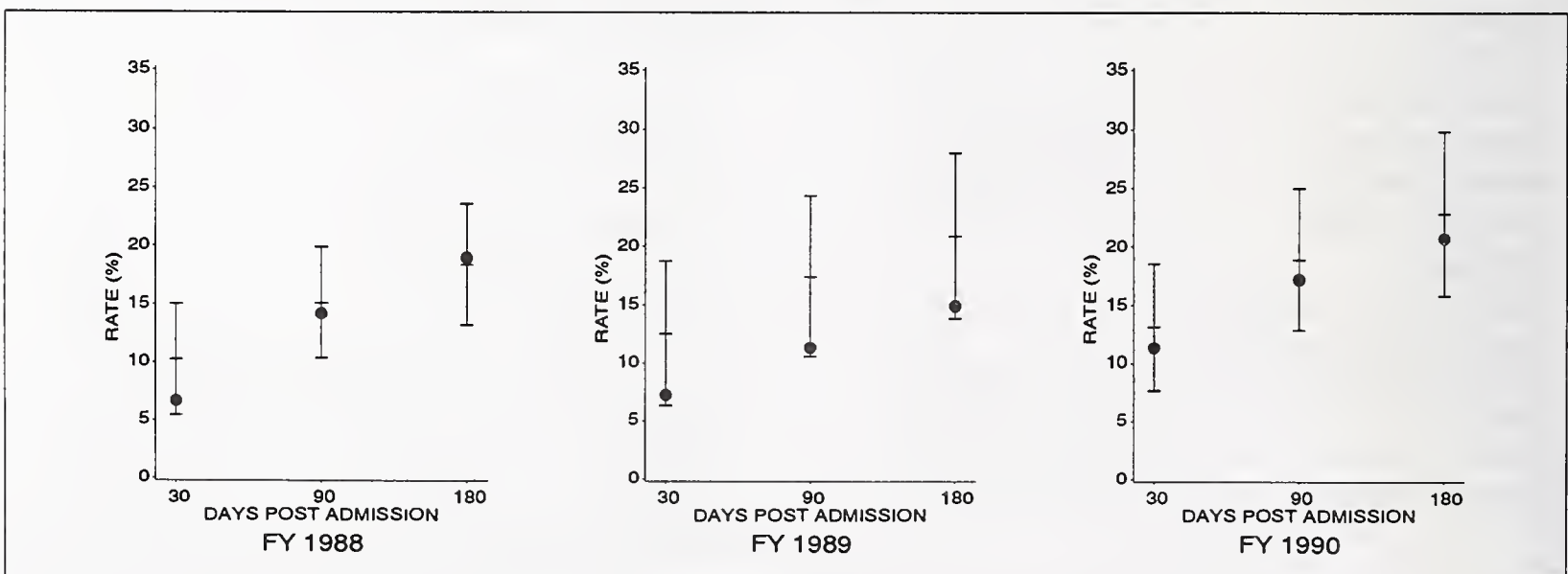
STATE HWY 19 W, BOX 888  
LINDSAY, OK 73052  
Medicare Provider Number: 370046

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 203             | 11.3                | 13.1 | 2.7   | 17.2    | 18.9 | 3.0   | 20.7     | 22.8 | 3.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 63.6                | 40.0 | ----- | 63.6    | 43.3 | ----- | 63.6     | 46.3 | ----- |
| Congestive Heart Failure.....              | 20              | 10.0                | 18.6 | ----- | 20.0    | 29.3 | ----- | 20.0     | 36.3 | ----- |
| Pneumonia/Influenza.....                   | 18              | 0.0                 | 13.4 | ----- | 0.0     | 18.3 | ----- | 5.6      | 21.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 1.9  | ----- | 0.0     | 4.0  | ----- | 0.0      | 6.4  | ----- |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 1.8  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.1  | ----- |
| Stroke.....                                | 5               | 20.0                | 23.0 | ----- | 40.0    | 32.1 | ----- | 40.0     | 37.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 7               | 28.6                | 32.1 | ----- | 28.6    | 41.6 | ----- | 28.6     | 46.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5               | 0.0                 | 1.2  | ----- | 0.0     | 3.4  | ----- | 0.0      | 6.2  | ----- |
| Cholecystectomy.....                       | 4               | 50.0                | 5.6  | ----- | 50.0    | 12.2 | ----- | 50.0     | 17.3 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LINDSAY MUNICIPAL HOSPITAL

Medicare Provider Number: 370046

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.6 years  
Proportion female..... 56.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 58.6 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 39.9 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 13.8 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 8.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.1%  
State..... 9.6%  
Outside State..... 0.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.2 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 25  
Occupancy Rate..... 36.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 65.8 %  
Case Mix Index (CMI)..... 1.0969

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# LOGAN HOSPITAL AND MEDICAL CENTER

ST HWY 33 & 200 W ACADEMY RD, BOX 1017

GUTHRIE, OK 73044

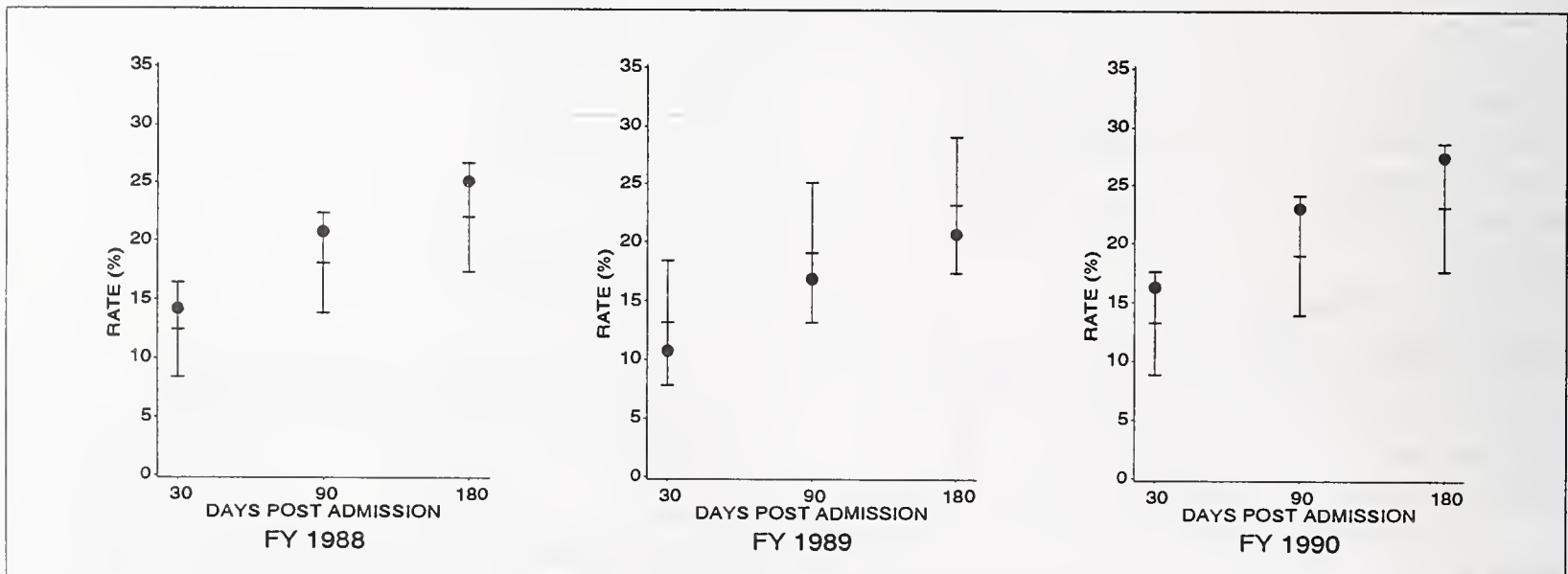
Medicare Provider Number: 370121

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 504                | 16.3                | 13.2 | 2.2   | 23.0    | 19.0 | 2.5   | 27.4     | 23.1 | 2.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18                 | 55.6                | 33.3 | ----- | 61.1    | 35.8 | ----- | 61.1     | 38.4 | ----- |
| Congestive Heart Failure.....              | 34                 | 14.7                | 15.8 | ----- | 26.5    | 25.2 | ----- | 32.4     | 31.9 | ----- |
| Pneumonia/Influenza.....                   | 23                 | 13.0                | 14.3 | ----- | 13.0    | 20.4 | ----- | 26.1     | 24.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 10                 | 10.0                | 11.3 | ----- | 20.0    | 19.3 | ----- | 20.0     | 24.4 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 20.0                | 3.2  | ----- | 30.0    | 7.2  | ----- | 40.0     | 11.5 | ----- |
| Stroke.....                                | 36                 | 22.2                | 20.3 | ----- | 27.8    | 25.1 | ----- | 33.3     | 28.7 | ----- |
| Hip Fracture.....                          | 4                  | 25.0                | 5.9  | ----- | 25.0    | 9.8  | ----- | 25.0     | 13.7 | ----- |
| Sepsis.....                                | 18                 | 22.2                | 25.2 | ----- | 27.8    | 32.4 | ----- | 38.9     | 36.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 3.6  | ----- | 0.0     | 6.1  | ----- | 0.0      | 8.2  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3                  | 33.3                | 6.9  | ----- | 33.3    | 11.5 | ----- | 33.3     | 15.9 | ----- |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 3.3  | ----- | 0.0     | 5.8  | ----- | 0.0      | 8.4  | ----- |
| Prostatectomy.....                         | 15                 | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.6  | ----- |
| Cholecystectomy.....                       | 11                 | 9.1                 | 5.8  | ----- | 9.1     | 8.8  | ----- | 9.1      | 10.8 | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LOGAN HOSPITAL AND MEDICAL CENTER

Medicare Provider Number: 370121

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.2 years |
| Proportion female.....        | 64.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 38.3 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 59.9 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.6 %  |
| Chronic cardiovascular disease..... | 32.9 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 2.8 %  |
| Chronic pulmonary disease.....      | 12.1 % |
| Cerebrovascular degeneration.....   | 1.8 %  |
| Diabetes mellitus.....              | 8.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 82.2%  |
| State .....         | 15.8%  |
| Outside State ..... | 2.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.1 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 50               |
| Occupancy Rate .....       | 46.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 49.2 %           |
| Case Mix Index (CMI) ..... | 1.2905           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 58     |
| Percent of Physicians Board<br>Certified Specialists ..... | 58.6 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 25     |
| Licensed Practical Nurses.....                             | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LOVE COUNTY HEALTH CENTER

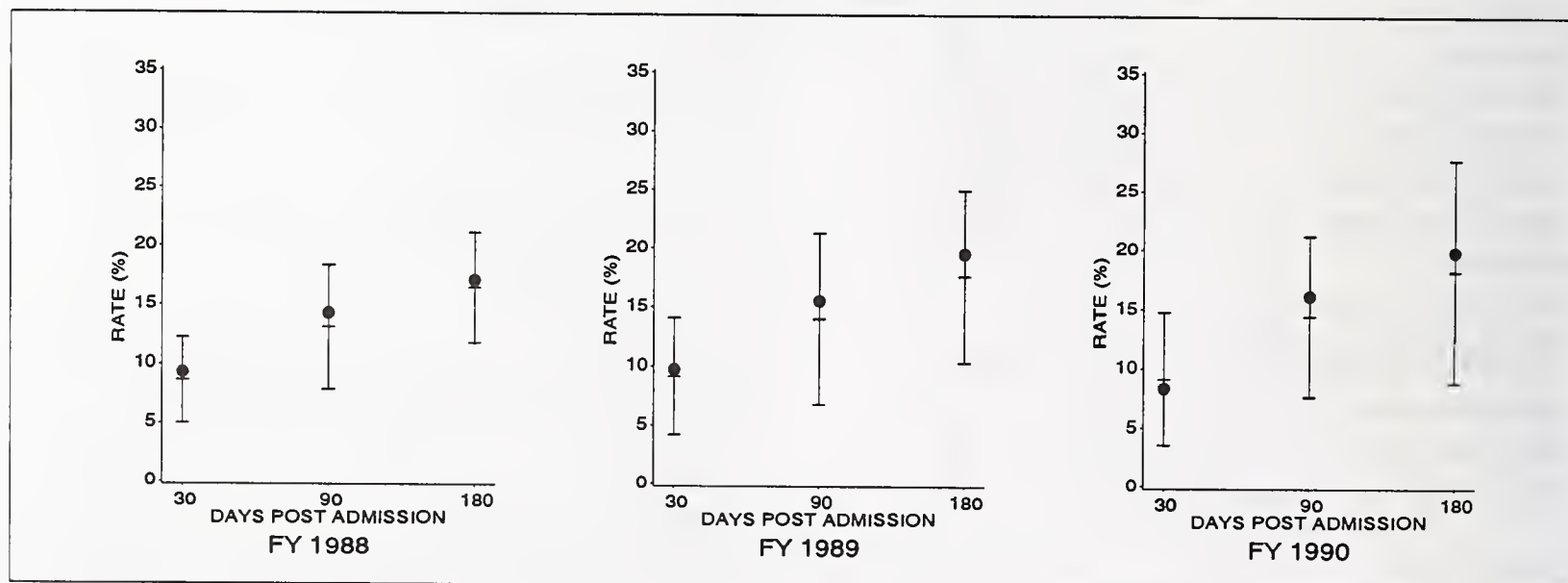
300 WANDA ST, BOX 70  
MARIETTA, OK 73448  
Medicare Provider Number: 370163

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 192                | 8.3                 | 9.1  | 2.8   | 16.1    | 14.4 | 3.4   | 19.8     | 18.2 | 4.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 40.0                | 19.1 | ----- | 60.0    | 21.1 | ----- | 60.0     | 23.1 | ----- |
| Congestive Heart Failure.....              | 16                 | 12.5                | 16.0 | ----- | 18.8    | 25.8 | ----- | 31.3     | 32.5 | ----- |
| Pneumonia/Influenza.....                   | 33                 | 0.0                 | 9.5  | ----- | 3.0     | 13.5 | ----- | 6.1      | 16.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 6.0  | ----- | 0.0     | 12.0 | ----- | 0.0      | 16.8 | ----- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 1.4  | ----- | 0.0     | 3.5  | ----- | 0.0      | 6.0  | ----- |
| Stroke.....                                | 9                  | 0.0                 | 14.3 | ----- | 11.1    | 20.0 | ----- | 11.1     | 23.9 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 2.4  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.7  | ----- |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.1  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# LOVE COUNTY HEALTH CENTER

Medicare Provider Number: 370163

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.2 years |
| Proportion female.....        | 58.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 92.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 1.0 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.7 %  |
| Chronic cardiovascular disease..... | 20.8 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 5.2 %  |
| Chronic pulmonary disease.....      | 12.0 % |
| Cerebrovascular degeneration.....   | 3.6 %  |
| Diabetes mellitus.....              | 8.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.3%  |
| State .....         | 9.8%   |
| Outside State ..... | 3.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.0 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 30               |
| Occupancy Rate .....       | 33.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 62.8 %           |
| Case Mix Index (CMI) ..... | 0.8783           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 9      |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 0      |
| Licensed Practical Nurses .....                            | 0      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# MANGUM CITY HOSPITAL

ONE WICKERSHAM DR, BOX 280

MANGUM, OK 73554

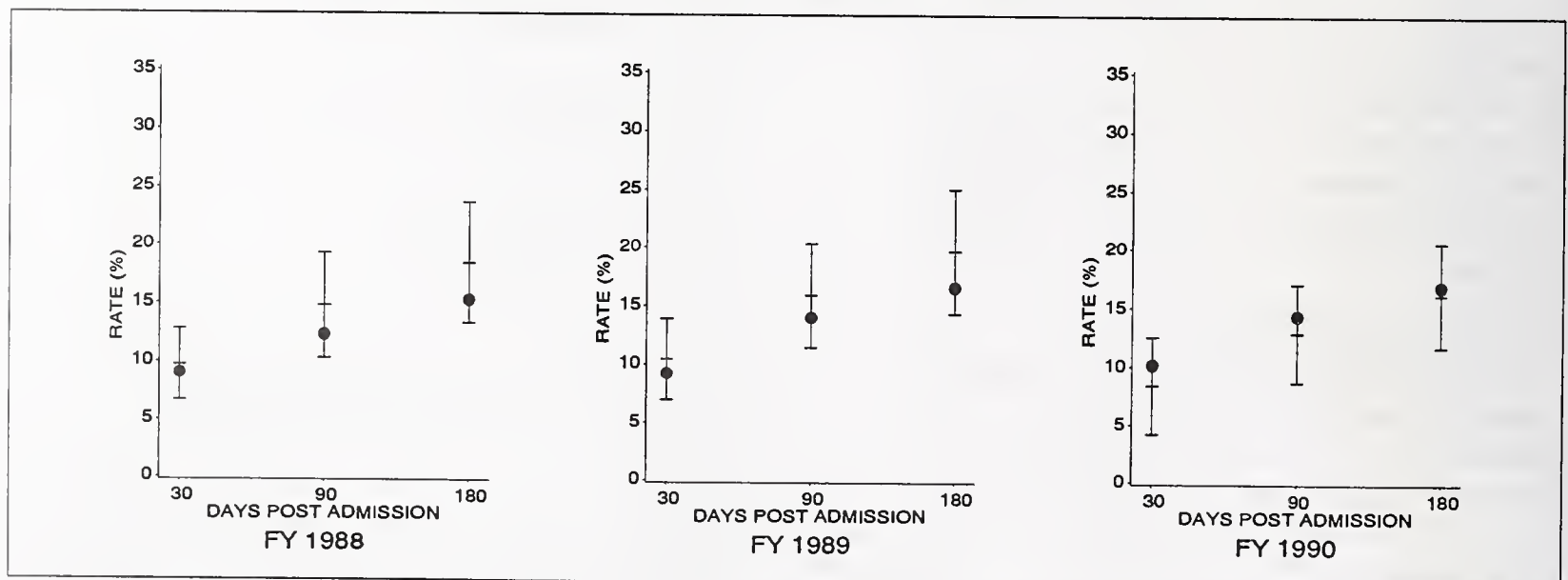
Medicare Provider Number: 370125

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 286                | 10.1                | 8.3  | 2.1   | 14.3    | 12.8 | 2.1   | 16.8     | 16.1 | 2.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 28.6                | 33.7 | ----- | 28.6    | 37.4 | ----- | 28.6     | 41.1 | ----- |
| Congestive Heart Failure.....              | 14                 | 14.3                | 13.8 | ----- | 21.4    | 21.8 | ----- | 21.4     | 27.8 | ----- |
| Pneumonia/Influenza.....                   | 22                 | 13.6                | 10.7 | ----- | 18.2    | 14.6 | ----- | 22.7     | 17.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 50.0                | 8.3  | ----- | 50.0    | 12.4 | ----- | 50.0     | 17.6 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 2.3  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.7  | ----- |
| Stroke.....                                | 14                 | 14.3                | 16.5 | ----- | 14.3    | 22.0 | ----- | 14.3     | 25.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 4                  | 50.0                | 20.7 | ----- | 50.0    | 26.9 | ----- | 50.0     | 30.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.6  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.2  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MANGUM CITY HOSPITAL

Medicare Provider Number: 370125

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.6 years  
Proportion female..... 68.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.1 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 3.1 %  
Admitted for emergency..... 3.1 %

### COMORBIDITIES:

Cancer..... 4.2 %  
Chronic cardiovascular disease..... 28.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.7 %  
Chronic pulmonary disease..... 5.6 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 4.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.7%  
State ..... 10.7%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 40  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9685

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARSHALL MEMORIAL HOSPITAL

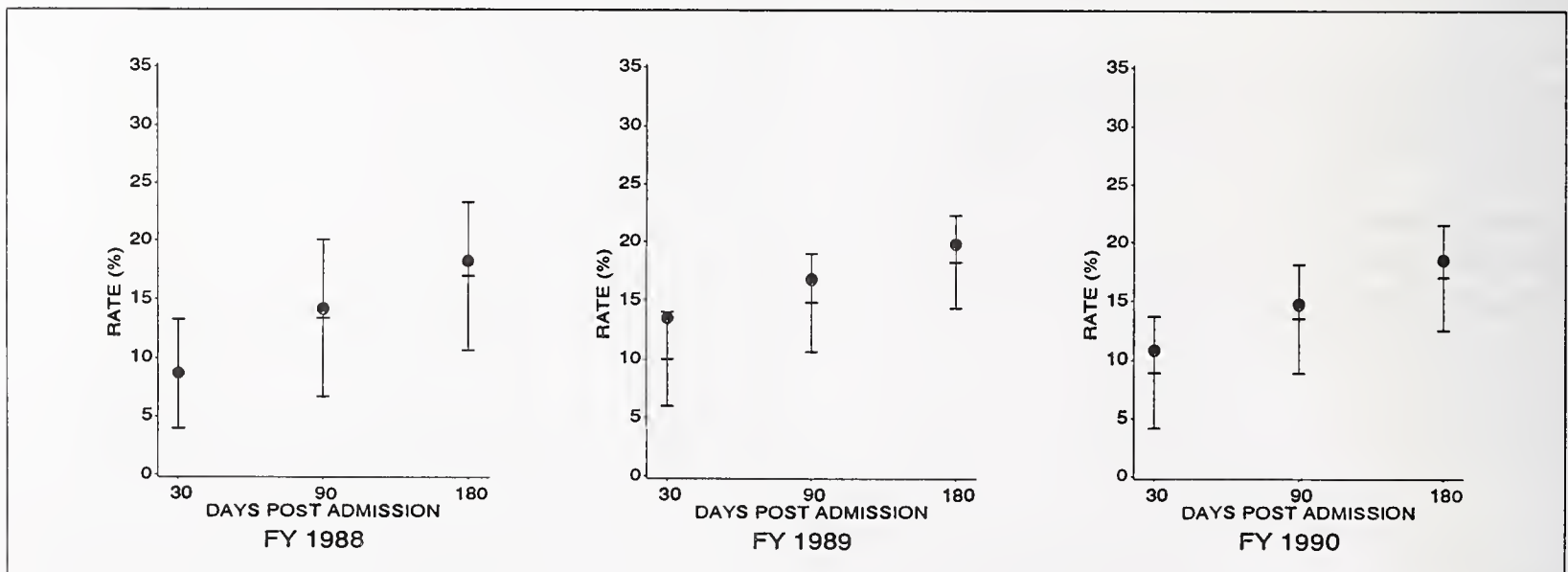
1 HOSPITAL DR, BOX 827  
MADILL, OK 73446  
Medicare Provider Number: 370043

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 416                | 10.8                | 8.9  | 2.4   | 14.7    | 13.5 | 2.3   | 18.5     | 17.0 | 2.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 60.0                | 28.5 | ----- | 66.7    | 32.4 | ----- | 66.7     | 35.5 | ----- |
| Congestive Heart Failure.....              | 28                 | 14.3                | 15.3 | ----- | 21.4    | 23.6 | ----- | 21.4     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 29                 | 17.2                | 12.5 | ----- | 24.1    | 17.2 | ----- | 34.5     | 20.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16                 | 6.3                 | 7.6  | ----- | 6.3     | 13.4 | ----- | 6.3      | 18.0 | ----- |
| Transient Cerebral Ischemia.....           | 9                  | 0.0                 | 2.1  | ----- | 11.1    | 5.0  | ----- | 11.1     | 7.9  | ----- |
| Stroke.....                                | 21                 | 14.3                | 18.3 | ----- | 14.3    | 24.4 | ----- | 14.3     | 28.1 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3                  | 0.0                 | 42.6 | ----- | 33.3    | 50.0 | ----- | 33.3     | 53.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 23                 | 4.3                 | 0.7  | ----- | 4.3     | 1.7  | ----- | 4.3      | 2.9  | ----- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 1.8  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.0  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MARSHALL MEMORIAL HOSPITAL

Medicare Provider Number: 370043

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 52.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 38.7 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 19.0 %  
Cerebrovascular degeneration..... 8.7 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 85.2%  
State..... 9.8%  
Outside State..... 5.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.3 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 39  
Occupancy Rate..... 43.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 0.9922

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 42.9 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 13  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MARY HURLEY HOSPITAL

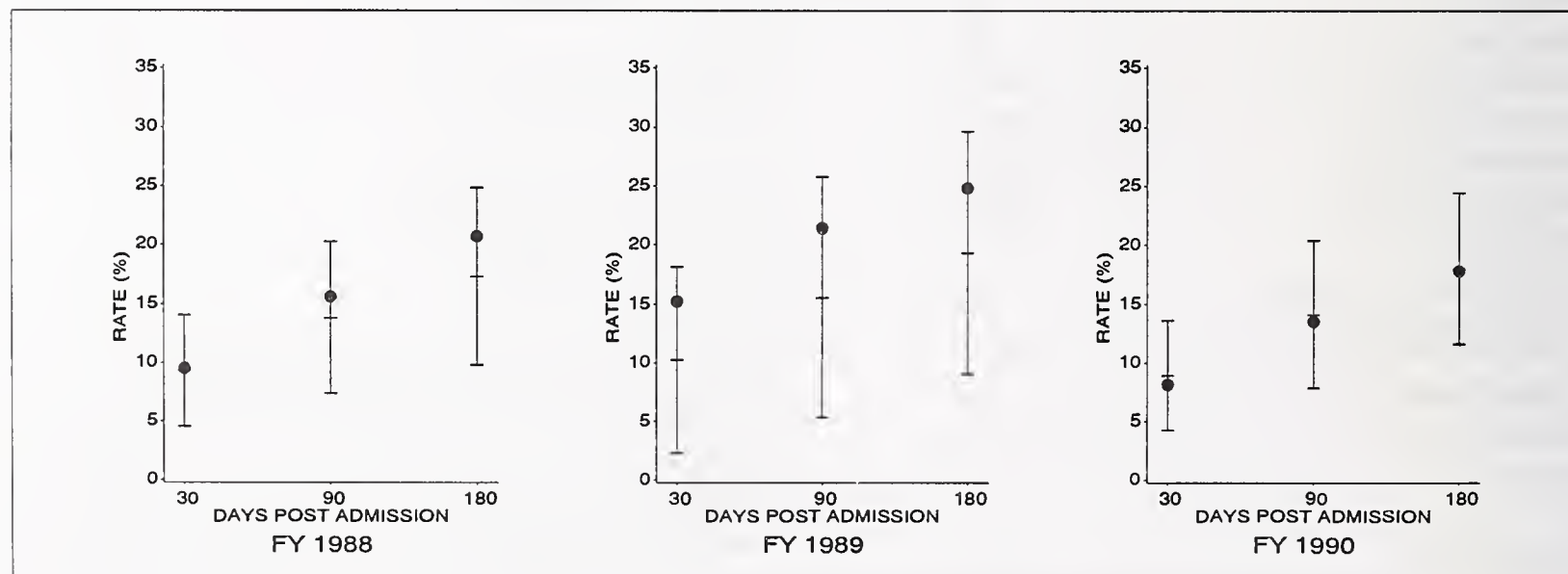
6 NORTH COVINGTON AVENUE  
COALGATE, OK 74538  
Medicare Provider Number: 370085

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 185                | 8.1                 | 8.9  | 2.4  | 13.5    | 14.1 | 3.1  | 17.8     | 18.0 | 3.2  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 1                  | 100.0               | 25.9 | ---- | 100.0   | 28.7 | ---- | 100.0    | 32.7 | ---- |
| Congestive Heart Failure.....              | 21                 | 19.0                | 14.4 | ---- | 28.6    | 22.3 | ---- | 38.1     | 28.1 | ---- |
| Pneumonia/Influenza.....                   | 19                 | 21.1                | 18.4 | ---- | 26.3    | 26.0 | ---- | 31.6     | 29.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 5.3  | ---- | 0.0     | 9.8  | ---- | 0.0      | 13.5 | ---- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.4  | ---- | 33.3    | 3.3  | ---- | 33.3     | 5.6  | ---- |
| Stroke.....                                | 6                  | 0.0                 | 12.3 | ---- | 0.0     | 15.7 | ---- | 0.0      | 18.7 | ---- |
| Hip Fracture.....                          | 1                  | 0.0                 | 20.7 | ---- | 100.0   | 34.9 | ---- | 100.0    | 42.3 | ---- |
| Sepsis.....                                | 5                  | 40.0                | 28.6 | ---- | 40.0    | 36.2 | ---- | 40.0     | 41.3 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MARY HURLEY HOSPITAL

Medicare Provider Number: 370085

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.1 years  
Proportion female..... 60.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 91.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 1.1 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 51.4 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.7 %  
Chronic pulmonary disease..... 16.8 %  
Cerebrovascular degeneration..... 2.2 %  
Diabetes mellitus..... 13.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.5%  
State ..... 17.3%  
Outside State ..... 3.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 20  
Occupancy Rate ..... 30.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 64.2 %  
Case Mix Index (CMI) ..... 0.8982

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists ..... 33.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# MACALESTER REGIONAL HEALTH CENTER

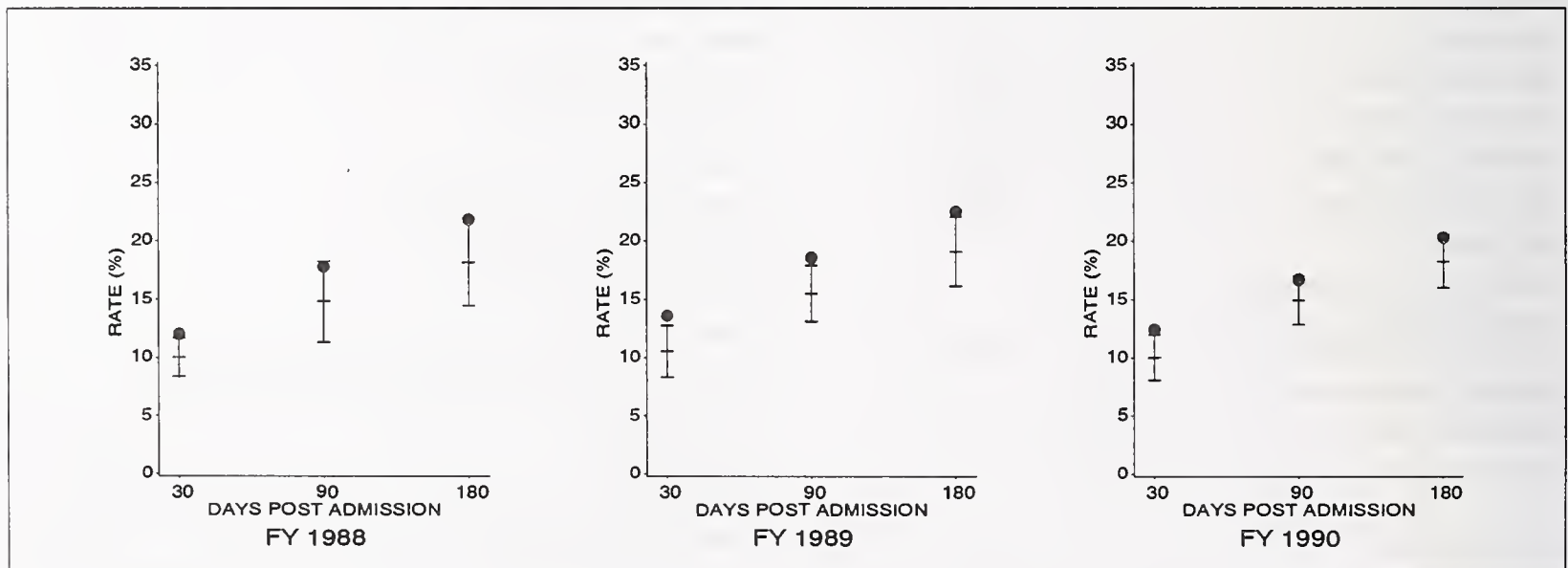
1 CLARK BASS BOULEVARD  
MACALESTER, OK 74501  
Medicare Provider Number: 370034

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1421            | 12.4                | 10.0 | 1.0   | 16.7    | 14.9 | 1.0   | 20.3     | 18.3 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 73              | 34.2                | 26.0 | 6.3   | 37.0    | 29.1 | 6.3   | 38.4     | 31.7 | 6.3   |
| Congestive Heart Failure.....              | 65              | 21.5                | 14.6 | 5.6   | 24.6    | 23.0 | 5.4   | 27.7     | 29.0 | 6.0   |
| Pneumonia/Influenza.....                   | 122             | 16.4                | 14.7 | 3.4   | 21.3    | 20.9 | 4.2   | 25.4     | 25.0 | 4.0   |
| Chronic Obstructive Pulmonary Disease..... | 26              | 11.5                | 8.2  | ----- | 19.2    | 14.2 | ----- | 19.2     | 18.6 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.8  | ----- |
| Stroke.....                                | 87              | 25.3                | 18.1 | 5.1   | 31.0    | 23.9 | 5.6   | 36.8     | 27.7 | 6.3   |
| Hip Fracture.....                          | 42              | 16.7                | 5.8  | ----- | 19.0    | 10.1 | ----- | 21.4     | 13.1 | ----- |
| Sepsis.....                                | 35              | 22.9                | 20.6 | ----- | 34.3    | 29.5 | ----- | 40.0     | 34.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 18              | 11.1                | 4.4  | ----- | 16.7    | 8.2  | ----- | 16.7     | 11.2 | ----- |
| Open Reduction of Hip Fracture.....        | 21              | 14.3                | 5.3  | ----- | 14.3    | 9.5  | ----- | 19.0     | 12.4 | ----- |
| Prostatectomy.....                         | 62              | 1.6                 | 1.0  | 1.5   | 6.5     | 2.5  | 3.4   | 8.1      | 4.3  | 3.7   |
| Cholecystectomy.....                       | 45              | 2.2                 | 2.6  | ----- | 2.2     | 5.2  | ----- | 2.2      | 7.2  | ----- |
| Hysterectomy.....                          | 17              | 5.9                 | 0.7  | ----- | 5.9     | 1.5  | ----- | 5.9      | 2.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MCALISTER REGIONAL HEALTH CENTER

Medicare Provider Number: 370034

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 55.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.3 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 15.3 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 35.0 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 1.5 %  
Chronic pulmonary disease..... 17.1 %  
Cerebrovascular degeneration..... 2.1 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.7%  
State ..... 21.1%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 176  
Occupancy Rate ..... 39.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 47.7 %  
Case Mix Index (CMI) ..... 1.1388

### STAFFING:

Total Number of Physicians..... 36  
Percent of Physicians Board  
Certified Specialists ..... 72.2 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MCCURTAIN MEMORIAL HOSPITAL

JUMPER MEM BYPASS 70 SE AVE N, BOX 101

IDABEL, OK 74745

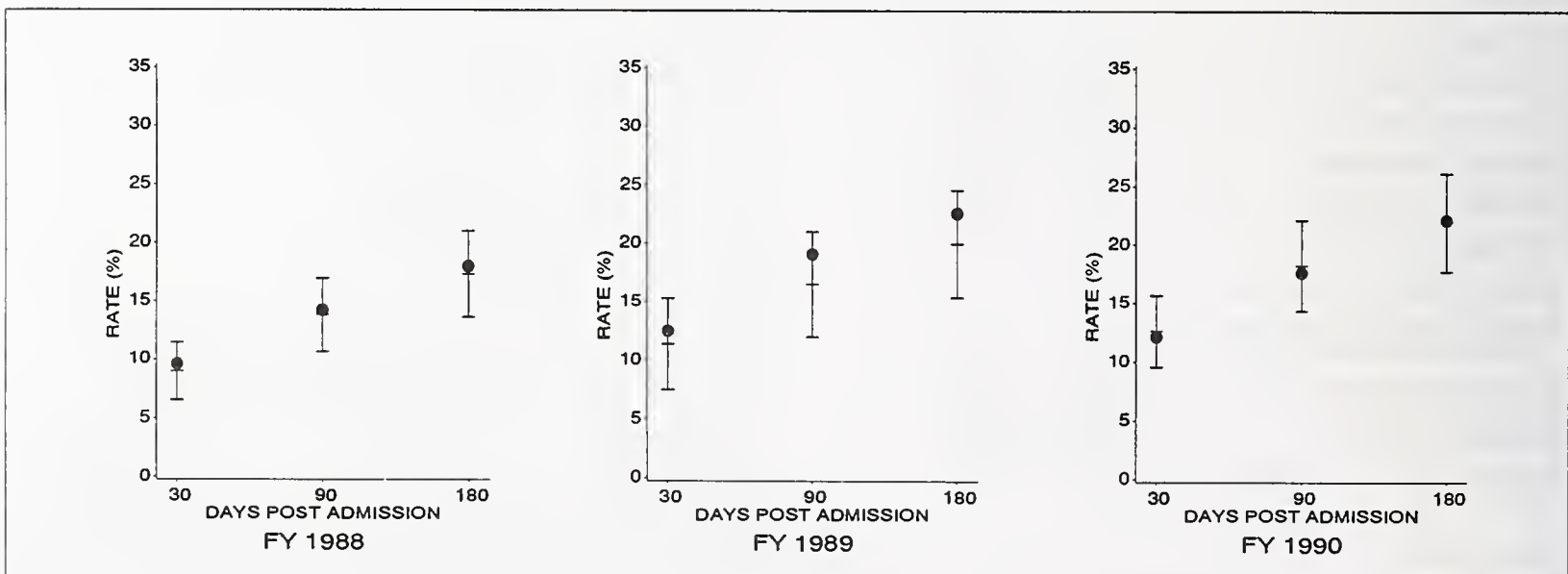
Medicare Provider Number: 370048

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 585             | 12.1                | 12.6 | 1.5   | 17.6    | 18.2 | 2.0   | 22.1     | 21.9 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 40.0                | 33.9 | ----- | 40.0    | 36.8 | ----- | 40.0     | 39.7 | ----- |
| Congestive Heart Failure.....              | 44              | 11.4                | 13.9 | ----- | 13.6    | 22.2 | ----- | 20.5     | 28.3 | ----- |
| Pneumonia/Influenza.....                   | 42              | 9.5                 | 13.0 | ----- | 11.9    | 18.0 | ----- | 23.8     | 21.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 9.1                 | 9.7  | ----- | 9.1     | 17.1 | ----- | 18.2     | 22.3 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.4  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.6  | ----- |
| Stroke.....                                | 26              | 23.1                | 24.4 | ----- | 30.8    | 29.6 | ----- | 34.6     | 33.0 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.9  | ----- | 0.0     | 6.6  | ----- | 0.0      | 9.5  | ----- |
| Sepsis.....                                | 11              | 36.4                | 29.1 | ----- | 36.4    | 38.9 | ----- | 45.5     | 43.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 4               | 0.0                 | 2.7  | ----- | 0.0     | 4.4  | ----- | 0.0      | 5.6  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MCCURTAIN MEMORIAL HOSPITAL

Medicare Provider Number: 370048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| Average age at admission.....                  | 75.6 years | Cancer.....                         | 4.8 %  |
| Proportion female.....                         | 60.9 %     | Chronic cardiovascular disease..... | 42.4 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 1.2 %  |
| Referred by personal or HMO physician.....     | 40.0 %     | Chronic renal disease.....          | 3.9 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 16.8 % |
| Admitted for elective procedure.....           | 1.0 %      | Cerebrovascular degeneration.....   | 2.2 %  |
| Admitted for emergency.....                    | 37.3 %     | Diabetes mellitus.....              | 9.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

| ORIGIN OF MEDICARE PATIENT ADMISSION: |        | MEDICARE AVERAGE LENGTH OF STAY: |          |
|---------------------------------------|--------|----------------------------------|----------|
| County/City .....                     | 92.8%  | Hospital .....                   | 7.5 Days |
| State .....                           | 4.8%   | State .....                      | 7.6 Days |
| Outside State .....                   | 2.4%   | National .....                   | 8.6 Days |
| Total .....                           | 100.0% |                                  |          |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

| PROFILE:                                                   |                     | SPECIALTY SERVICES:                      |     |
|------------------------------------------------------------|---------------------|------------------------------------------|-----|
| Total Beds .....                                           | 90                  | Burn Unit .....                          | No  |
| Occupancy Rate .....                                       | 38.0 %              | Cardiac Intensive Care .....             | No  |
| Ownership/Control.....                                     | Private, Non-Profit | Comprehensive Geriatric .....            | No  |
| Medicare Discharges .....                                  | 43.0 %              | Hospice Care .....                       | No  |
| Case Mix Index (CMI) .....                                 | 1.1243              | Medical/Surgical Intensive Care .....    | Yes |
| STAFFING:                                                  |                     | Organ/Tissue Transplant .....            | No  |
| Total Number of Physicians.....                            | 21                  | Other Intensive Care .....               | No  |
| Percent of Physicians Board<br>Certified Specialists ..... | 19.0 %              | Trauma Center .....                      | No  |
| Medical Residents/Interns .....                            | 0                   | OTHER SPECIALTY/HOSPITAL-BASED SERVICES: |     |
| Registered Nurses.....                                     | 20                  | Alcohol/Drug .....                       | No  |
| Licensed Practical Nurses .....                            | 43                  | Rehabilitation.....                      | No  |
|                                                            |                     | Psychiatric .....                        | No  |
|                                                            |                     | Medicare Swing Beds .....                | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEDICAL CENTER OF SOUTHEASTERN OKLAHOMA

1800 UNIVERSITY BLVD, BOX 1207

DURANT, OK 74702

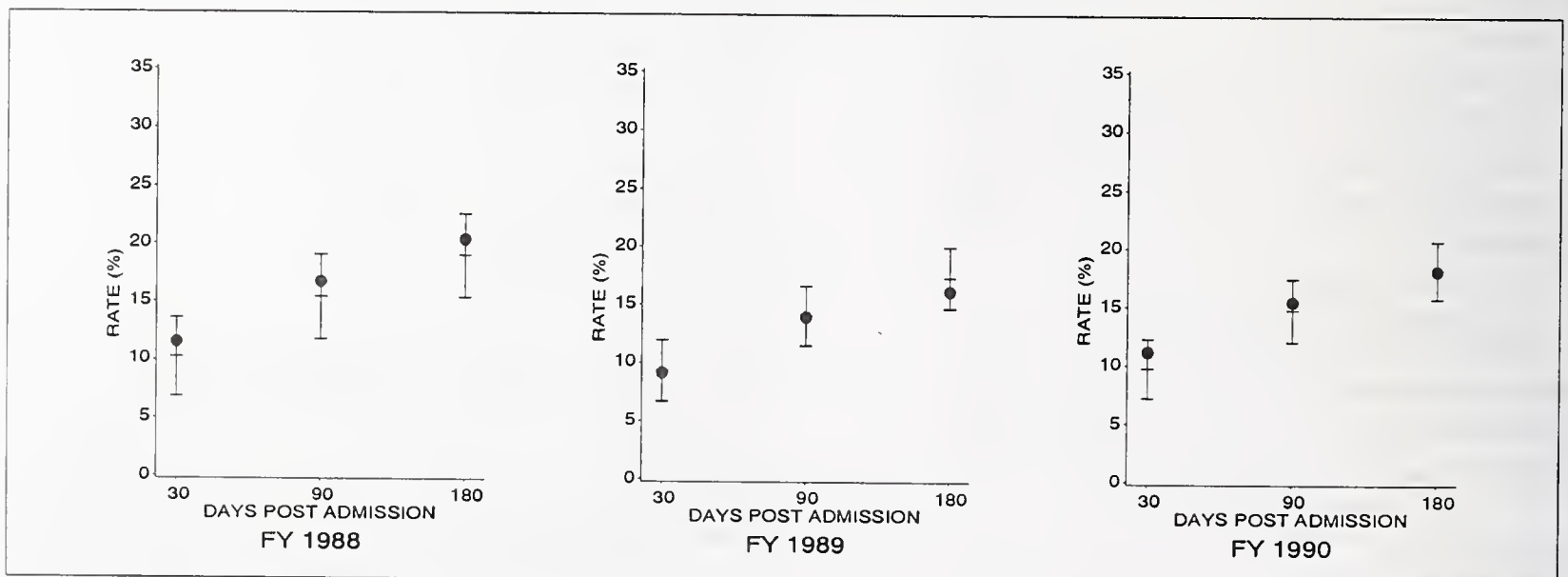
Medicare Provider Number: 370014

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 960                | 11.1                | 9.7  | 1.3   | 15.4    | 14.7 | 1.4   | 18.1     | 18.2 | 1.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19                 | 31.6                | 33.2 | ----- | 36.8    | 36.6 | ----- | 42.1     | 39.5 | ----- |
| Congestive Heart Failure.....              | 31                 | 12.9                | 14.3 | ----- | 22.6    | 23.0 | ----- | 25.8     | 29.1 | ----- |
| Pneumonia/Influenza.....                   | 72                 | 12.5                | 15.3 | 5.4   | 15.3    | 21.1 | 7.0   | 18.1     | 24.8 | 8.0   |
| Chronic Obstructive Pulmonary Disease..... | 52                 | 5.8                 | 8.3  | 4.4   | 15.4    | 15.0 | 5.0   | 23.1     | 19.7 | 6.9   |
| Transient Cerebral Ischemia.....           | 20                 | 0.0                 | 2.2  | ----- | 0.0     | 4.7  | ----- | 15.0     | 7.4  | ----- |
| Stroke.....                                | 32                 | 15.6                | 21.5 | ----- | 21.9    | 26.8 | ----- | 21.9     | 30.3 | ----- |
| Hip Fracture.....                          | 26                 | 7.7                 | 6.9  | ----- | 23.1    | 11.7 | ----- | 23.1     | 14.8 | ----- |
| Sepsis.....                                | 6                  | 16.7                | 23.8 | ----- | 33.3    | 31.1 | ----- | 33.3     | 35.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 2.0  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.1  | ----- |
| Carotid Endarterectomy.....                | 6                  | 0.0                 | 2.0  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.9  | ----- |
| Hip Replacement/Reconstruction.....        | 8                  | 0.0                 | 6.5  | ----- | 0.0     | 11.3 | ----- | 0.0      | 14.8 | ----- |
| Open Reduction of Hip Fracture.....        | 10                 | 10.0                | 7.5  | ----- | 30.0    | 12.9 | ----- | 30.0     | 16.3 | ----- |
| Prostatectomy.....                         | 23                 | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.0  | ----- |
| Cholecystectomy.....                       | 19                 | 5.3                 | 2.9  | ----- | 5.3     | 4.6  | ----- | 10.5     | 5.7  | ----- |
| Hysterectomy.....                          | 13                 | 0.0                 | 1.0  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEDICAL CENTER OF SOUTHEASTERN OKLAHOMA

Medicare Provider Number: 370014

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 58.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.6 %  
Admitted for emergency..... 48.5 %

### COMORBIDITIES:

Cancer..... 4.9 %  
Chronic cardiovascular disease..... 44.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 24.8 %  
Cerebrovascular degeneration..... 3.1 %  
Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 79.1%  
State..... 17.6%  
Outside State..... 3.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.6 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1988

### PROFILE:

Total Beds..... 100  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI)..... 1.1914

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 61  
Licensed Practical Nurses..... 33

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# MEMORIAL HOSPITAL

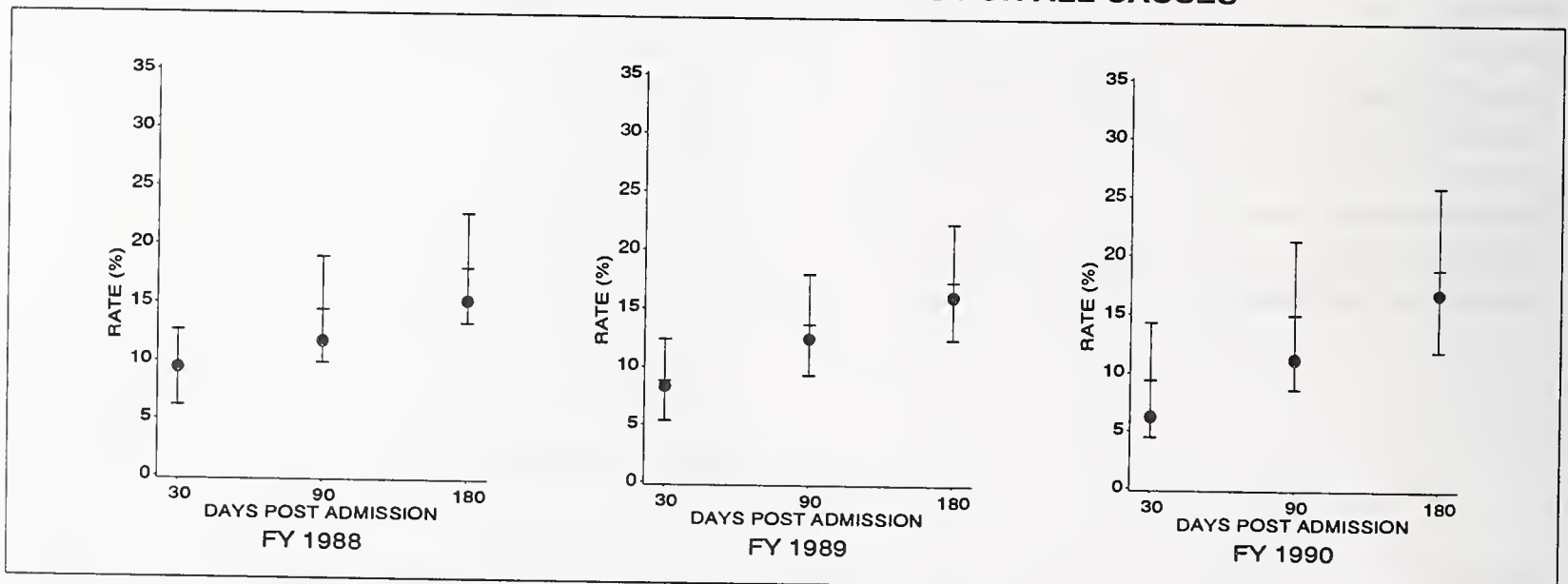
319 E JOSEPHINE  
FREDERICK, OK 73542  
Medicare Provider Number: 370051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 341             | 6.2                 | 9.3  | 2.5   | 11.1    | 14.9 | 3.2   | 16.7     | 18.8 | 3.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 10              | 30.0                | 12.5 | ----- | 30.0    | 15.9 | ----- | 40.0     | 18.6 | ----- |
| Congestive Heart Failure.....              | 25              | 8.0                 | 14.7 | ----- | 12.0    | 24.0 | ----- | 20.0     | 29.9 | ----- |
| Pneumonia/Influenza.....                   | 25              | 8.0                 | 14.3 | ----- | 16.0    | 19.8 | ----- | 20.0     | 23.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11              | 0.0                 | 4.6  | ----- | 0.0     | 8.5  | ----- | 0.0      | 12.4 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 20              | 5.0                 | 16.7 | ----- | 10.0    | 24.2 | ----- | 15.0     | 28.8 | ----- |
| Hip Fracture.....                          | 3               | 0.0                 | 5.4  | ----- | 0.0     | 9.5  | ----- | 0.0      | 13.2 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 20.7 | ----- | 50.0    | 36.9 | ----- | 50.0     | 46.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 5.0  | ----- | 0.0     | 9.2  | ----- | 0.0      | 12.8 | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5               | 0.0                 | 1.3  | ----- | 20.0    | 3.5  | ----- | 20.0     | 6.5  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.9  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.2  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**MEMORIAL HOSPITAL**  
Medicare Provider Number: 370051

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 79.0 years  
Proportion female..... 64.5 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 96.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.2 %  
Admitted for emergency..... 3.5 %

**COMORBIDITIES:**

Cancer..... 3.2 %  
Chronic cardiovascular disease..... 40.8 %  
Chronic liver disease..... 2.6 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 18.5 %  
Cerebrovascular degeneration..... 8.5 %  
Diabetes mellitus..... 9.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 82.4%  
State ..... 14.8%  
Outside State ..... 2.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 7.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 73  
Occupancy Rate ..... 54.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 55.3 %  
Case Mix Index (CMI) ..... 1.1172

**STAFFING:**

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses ..... 10

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL

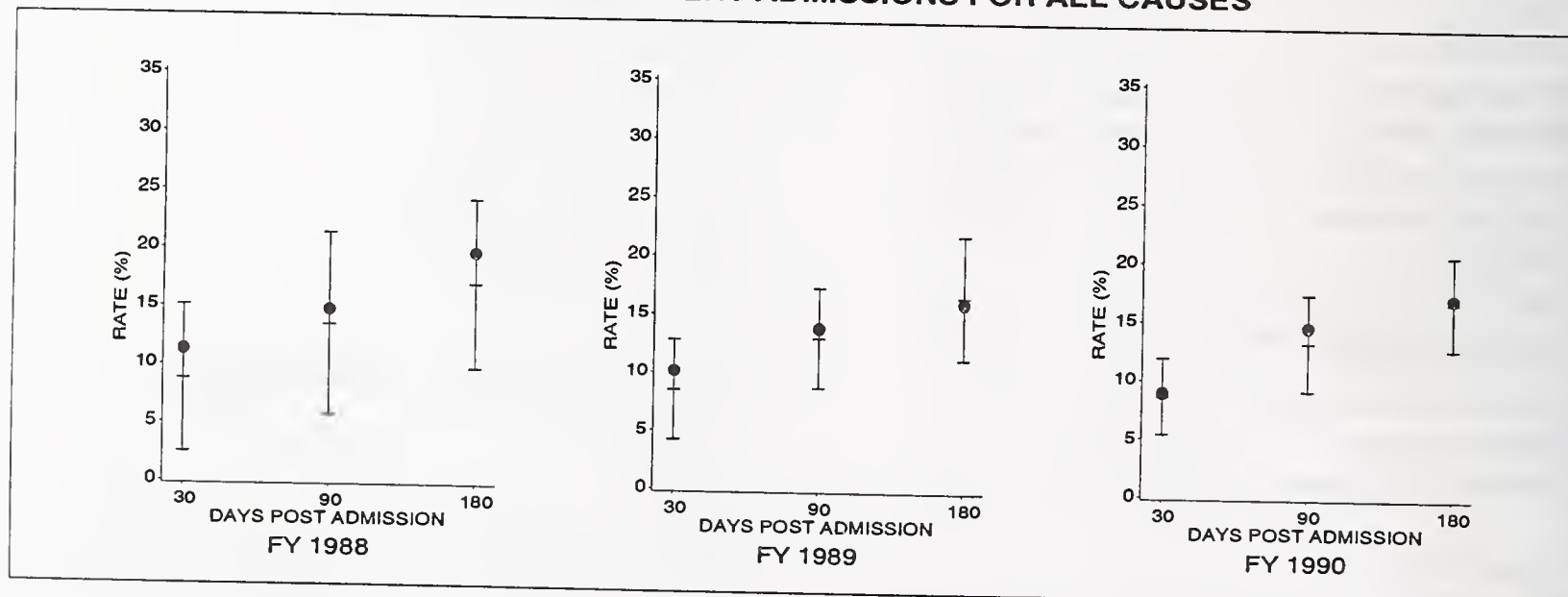
1401 W LOCUST ST, BOX 272  
STILWELL, OK 74960  
Medicare Provider Number: 370178

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 359             | 8.9                 | 8.6  | 1.6   | 14.5    | 13.2 | 2.1   | 17.0     | 16.6 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17              | 23.5                | 23.9 | ----- | 41.2    | 27.5 | ----- | 41.2     | 30.2 | ----- |
| Congestive Heart Failure.....              | 14              | 0.0                 | 11.9 | ----- | 7.1     | 20.0 | ----- | 7.1      | 26.1 | ----- |
| Pneumonia/Influenza.....                   | 56              | 7.1                 | 9.2  | 6.3   | 10.7    | 13.1 | 5.1   | 17.9     | 15.7 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 7               | 0.0                 | 4.7  | ----- | 0.0     | 8.5  | ----- | 0.0      | 12.5 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.7  | ----- | 0.0     | 4.2  | ----- | 0.0      | 7.2  | ----- |
| Stroke.....                                | 14              | 35.7                | 17.0 | ----- | 35.7    | 23.6 | ----- | 35.7     | 28.0 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 3.6  | ----- | 0.0     | 6.8  | ----- | 0.0      | 9.4  | ----- |
| Sepsis.....                                | 4               | 25.0                | 44.3 | ----- | 25.0    | 58.3 | ----- | 25.0     | 64.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.5  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 2.2  | ----- | 33.3    | 4.6  | ----- | 33.3     | 6.5  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MEMORIAL HOSPITAL

Medicare Provider Number: 370178

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.1 years  
Proportion female..... 62.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 46.2 %  
Admitted for emergency..... 2.2 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 29.8 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 7.2 %  
Chronic pulmonary disease..... 21.2 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 14.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.7%  
State ..... 6.5%  
Outside State ..... 3.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.8 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 50  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 0.9991

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL OF SOUTHERN OKLAHOMA

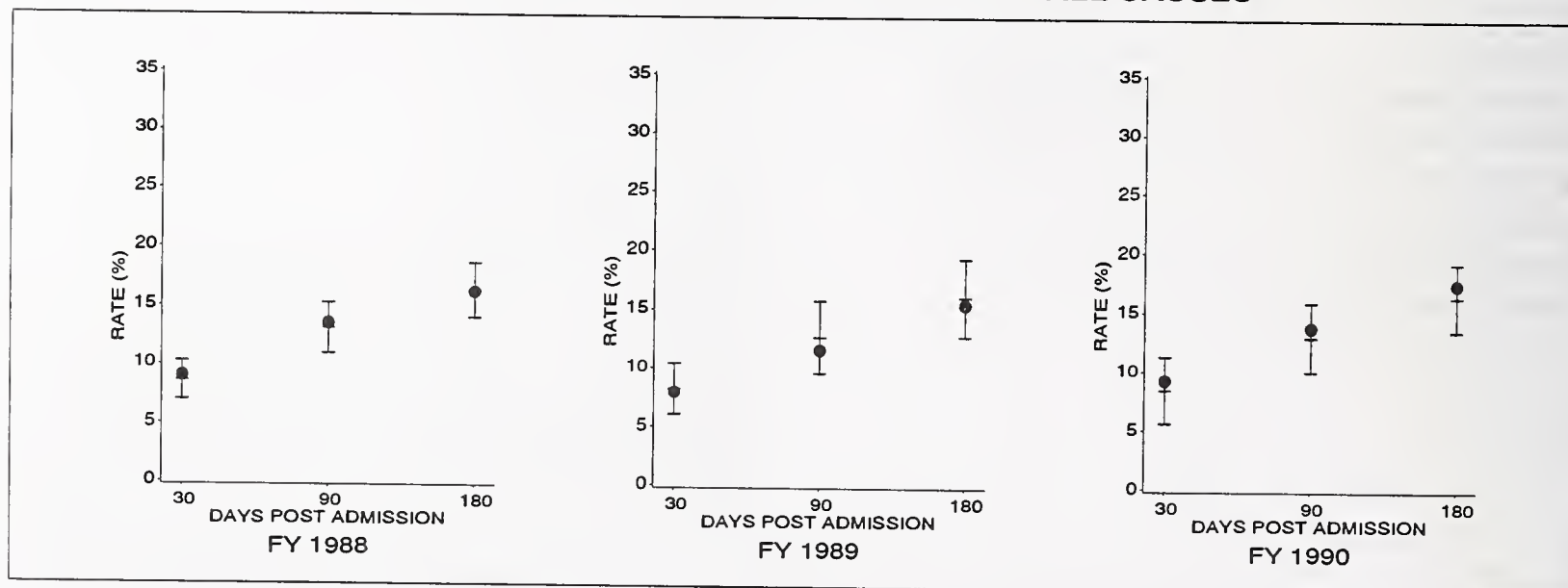
1011 14TH AVE NW  
ARDMORE, OK 73401  
Medicare Provider Number: 370047

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1339            | 9.2                 | 8.4  | 1.4  | 13.7    | 12.9 | 1.5  | 17.4     | 16.3 | 1.4  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 55              | 27.3                | 26.1 | 6.7  | 34.5    | 29.6 | 7.2  | 41.8     | 32.7 | 9.1  |
| Congestive Heart Failure.....              | 59              | 10.2                | 14.9 | 7.4  | 20.3    | 24.3 | 9.8  | 25.4     | 30.8 | 11.1 |
| Pneumonia/Influenza.....                   | 93              | 16.1                | 14.1 | 4.0  | 24.7    | 19.7 | 4.6  | 31.2     | 23.5 | 5.5  |
| Chronic Obstructive Pulmonary Disease..... | 36              | 13.9                | 9.4  | ---- | 25.0    | 16.9 | ---- | 27.8     | 22.4 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 2.1  | ---- | 0.0     | 4.7  | ---- | 4.8      | 7.8  | ---- |
| Stroke.....                                | 42              | 21.4                | 17.4 | ---- | 26.2    | 23.2 | ---- | 28.6     | 26.9 | ---- |
| Hip Fracture.....                          | 56              | 8.9                 | 6.0  | 6.0  | 12.5    | 10.7 | 6.0  | 14.3     | 13.8 | 6.2  |
| Sepsis.....                                | 14              | 0.0                 | 26.8 | ---- | 7.1     | 35.2 | ---- | 14.3     | 40.5 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 2.1  | ---- | 0.0     | 5.1  | ---- | 0.0      | 8.0  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 38              | 0.0                 | 3.0  | ---- | 5.3     | 5.5  | ---- | 5.3      | 7.3  | ---- |
| Open Reduction of Hip Fracture.....        | 24              | 12.5                | 5.8  | ---- | 12.5    | 10.5 | ---- | 16.7     | 13.8 | ---- |
| Prostatectomy.....                         | 113             | 0.0                 | 0.7  | 0.9  | 0.9     | 1.6  | 1.3  | 1.8      | 2.9  | 1.9  |
| Cholecystectomy.....                       | 19              | 0.0                 | 2.0  | ---- | 0.0     | 3.5  | ---- | 0.0      | 4.8  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 7.1  | ---- | 0.0     | 11.6 | ---- | 0.0      | 14.5 | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL OF SOUTHERN OKLAHOMA

Medicare Provider Number: 370047

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 53.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 61.0 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 23.2 %  
Admitted for emergency..... 3.6 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 36.3 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.8 %  
Chronic pulmonary disease..... 17.2 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.7%  
State ..... 23.6%  
Outside State ..... 2.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 135  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 46.7 %  
Case Mix Index (CMI) ..... 1.1846

### STAFFING:

Total Number of Physicians..... 47  
Percent of Physicians Board  
Certified Specialists..... 57.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 83  
Licensed Practical Nurses ..... 42

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# MEMORIAL HOSPITAL OF TEXAS COUNTY

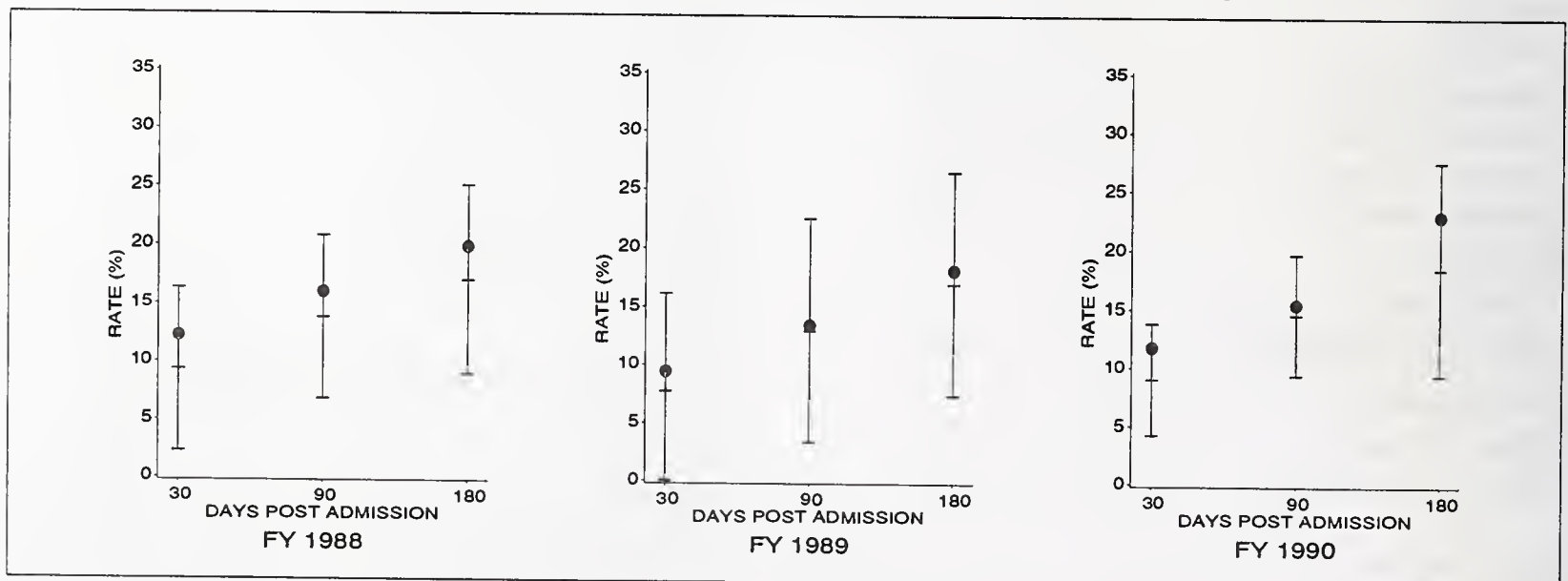
520 MEDICAL DR  
GUYMON, OK 73942  
Medicare Provider Number: 370138

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 188             | 11.7                | 9.0  | 2.4   | 15.4    | 14.5 | 2.6   | 22.9     | 18.4 | 4.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 40.0                | 27.3 | ----- | 60.0    | 31.7 | ----- | 60.0     | 35.0 | ----- |
| Congestive Heart Failure.....              | 4               | 25.0                | 9.9  | ----- | 25.0    | 16.2 | ----- | 50.0     | 21.8 | ----- |
| Pneumonia/Influenza.....                   | 20              | 20.0                | 9.1  | ----- | 25.0    | 13.3 | ----- | 30.0     | 16.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 7.0  | ----- | 0.0     | 12.0 | ----- | 0.0      | 17.0 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.1  | ----- |
| Stroke.....                                | 3               | 66.7                | 15.4 | ----- | 66.7    | 21.1 | ----- | 66.7     | 24.9 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 13.1 | ----- | 50.0    | 25.3 | ----- | 50.0     | 33.6 | ----- |
| Sepsis.....                                | 4               | 25.0                | 19.4 | ----- | 25.0    | 29.1 | ----- | 25.0     | 35.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2               | 0.0                 | 2.5  | ----- | 0.0     | 4.4  | ----- | 0.0      | 5.9  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL OF TEXAS COUNTY

Medicare Provider Number: 370138

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.8 years |
| Proportion female.....        | 62.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 98.9 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 3.7 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.4 %  |
| Chronic cardiovascular disease..... | 26.6 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 8.0 %  |
| Chronic pulmonary disease.....      | 32.4 % |
| Cerebrovascular degeneration.....   | 1.1 %  |
| Diabetes mellitus.....              | 10.6 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.7%  |
| State .....         | 3.1 %  |
| Outside State ..... | 10.2%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.6 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 47               |
| Occupancy Rate .....       | 29.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 29.4 %           |
| Case Mix Index (CMI) ..... | 1.1116           |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 10     |
| Percent of Physicians Board<br>Certified Specialists ..... | 30.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 18     |
| Licensed Practical Nurses .....                            | 17     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MERCY HEALTH CENTER INC

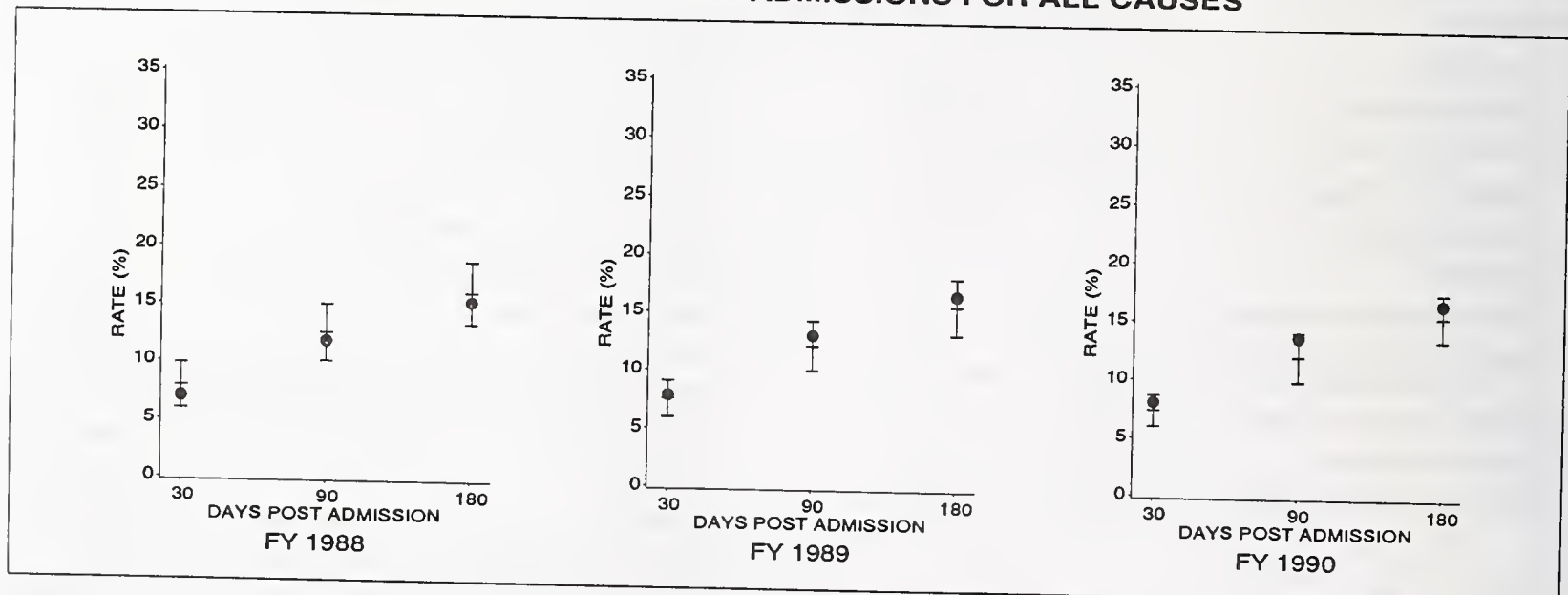
4300 W MEMORIAL ROAD  
OKLAHOMA CITY, OK 73120  
Medicare Provider Number: 370013

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2455            | 8.0                 | 7.3  | 0.7   | 13.6    | 11.9 | 1.1   | 16.5     | 15.4 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 48              | 16.7                | 22.9 | ----- | 25.0    | 26.1 | ----- | 25.0     | 28.9 | ----- |
| Congestive Heart Failure.....              | 60              | 8.3                 | 12.0 | 6.9   | 15.0    | 19.2 | 7.8   | 18.3     | 24.7 | 8.8   |
| Pneumonia/Influenza.....                   | 74              | 18.9                | 15.1 | 6.4   | 27.0    | 21.5 | 7.6   | 28.4     | 25.4 | 6.6   |
| Chronic Obstructive Pulmonary Disease..... | 50              | 12.0                | 9.5  | ----- | 18.0    | 16.8 | ----- | 20.0     | 21.7 | ----- |
| Transient Cerebral Ischemia.....           | 28              | 3.6                 | 1.5  | ----- | 3.6     | 3.4  | ----- | 3.6      | 5.4  | ----- |
| Stroke.....                                | 47              | 27.7                | 23.1 | ----- | 29.8    | 29.7 | ----- | 36.2     | 33.6 | ----- |
| Hip Fracture.....                          | 54              | 13.0                | 6.2  | 5.2   | 14.8    | 11.0 | 5.1   | 16.7     | 14.5 | 5.8   |
| Sepsis.....                                | 15              | 33.3                | 26.2 | ----- | 60.0    | 38.3 | ----- | 60.0     | 44.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 39              | 5.1                 | 3.1  | ----- | 5.1     | 4.3  | ----- | 5.1      | 5.4  | ----- |
| Coronary Artery Bypass Graft.....          | 49              | 8.2                 | 5.8  | ----- | 12.2    | 8.4  | ----- | 12.2     | 9.5  | ----- |
| Initial Pacemaker Insertion.....           | 31              | 6.5                 | 2.1  | ----- | 9.7     | 4.4  | ----- | 12.9     | 6.7  | ----- |
| Carotid Endarterectomy.....                | 25              | 4.0                 | 1.2  | ----- | 8.0     | 2.2  | ----- | 8.0      | 3.2  | ----- |
| Hip Replacement/Reconstruction.....        | 39              | 10.3                | 3.5  | ----- | 12.8    | 7.2  | ----- | 15.4     | 10.2 | ----- |
| Open Reduction of Hip Fracture.....        | 26              | 7.7                 | 6.4  | ----- | 7.7     | 11.4 | ----- | 11.5     | 15.3 | ----- |
| Prostatectomy.....                         | 101             | 0.0                 | 0.5  | 0.8   | 0.0     | 1.2  | 1.3   | 1.0      | 2.1  | 1.7   |
| Cholecystectomy.....                       | 76              | 0.0                 | 2.5  | 2.7   | 2.6     | 4.6  | 3.1   | 3.9      | 6.2  | 3.5   |
| Hysterectomy.....                          | 37              | 5.4                 | 0.6  | ----- | 5.4     | 1.5  | ----- | 5.4      | 2.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MERCY HEALTH CENTER INC

Medicare Provider Number: 370013

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.2 years  
Proportion female..... 54.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.8 %  
Admitted for emergency..... 36.1 %

### COMORBIDITIES:

Cancer..... 12.1 %  
Chronic cardiovascular disease..... 25.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 8.2 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 4.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 57.7%  
State ..... 39.1%  
Outside State ..... 3.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 304  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 32.6 %  
Case Mix Index (CMI) ..... 1.3400

### STAFFING:

Total Number of Physicians..... 330  
Percent of Physicians Board  
Certified Specialists..... 84.2 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MIDWEST CITY REGIONAL HOSPITAL

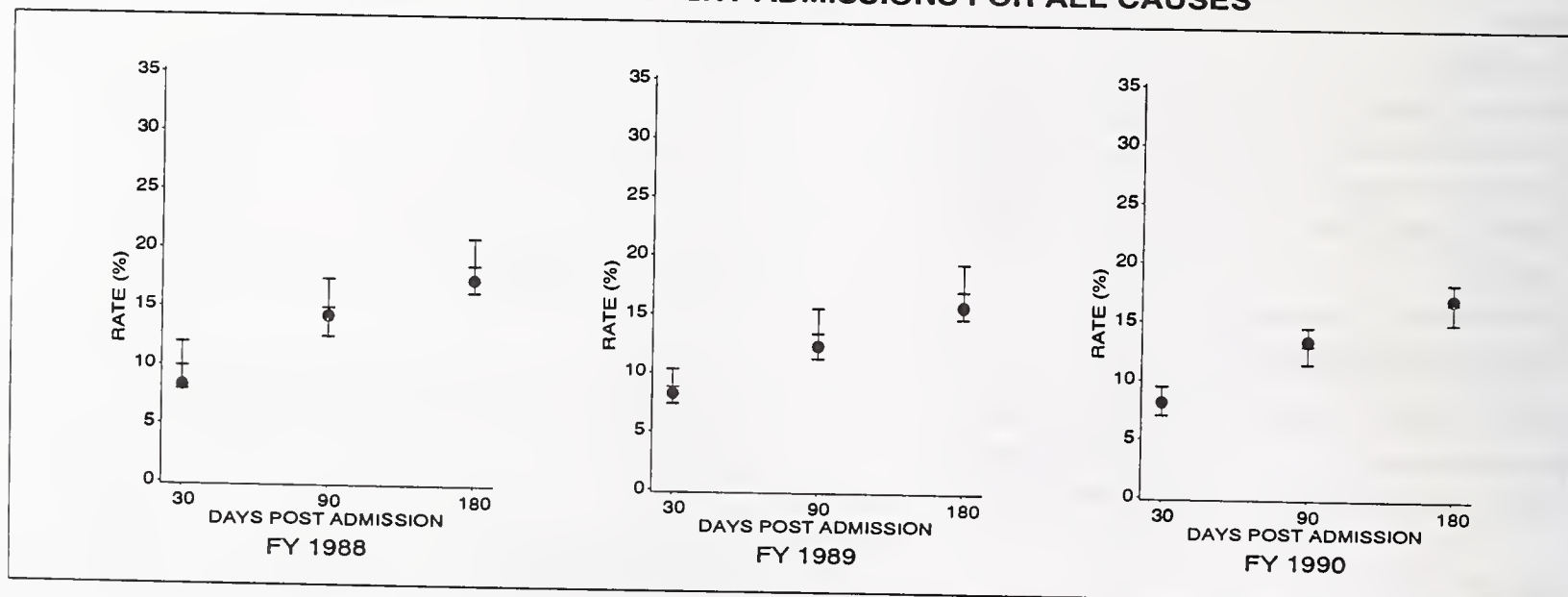
2825 PARKLAWN DR  
MIDWEST CITY, OK 73110  
Medicare Provider Number: 370094

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2182            | 8.1                 | 8.2  | 0.6   | 13.3    | 12.9 | 0.8   | 16.9     | 16.5 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 84              | 27.4                | 24.3 | 9.3   | 33.3    | 27.3 | 10.3  | 36.9     | 29.9 | 10.4  |
| Congestive Heart Failure.....              | 132             | 7.6                 | 14.9 | 3.9   | 14.4    | 23.8 | 4.8   | 19.7     | 30.0 | 5.5   |
| Pneumonia/Influenza.....                   | 111             | 13.5                | 12.9 | 3.5   | 21.6    | 18.4 | 5.3   | 24.3     | 22.1 | 5.1   |
| Chronic Obstructive Pulmonary Disease..... | 45              | 4.4                 | 7.2  | ----- | 8.9     | 12.5 | ----- | 22.2     | 16.6 | ----- |
| Transient Cerebral Ischemia.....           | 27              | 0.0                 | 1.1  | ----- | 3.7     | 2.6  | ----- | 3.7      | 4.2  | ----- |
| Stroke.....                                | 66              | 10.6                | 17.1 | 7.0   | 22.7    | 22.5 | 5.7   | 27.3     | 26.1 | 5.6   |
| Hip Fracture.....                          | 49              | 4.1                 | 5.4  | ----- | 16.3    | 9.9  | ----- | 20.4     | 13.2 | ----- |
| Sepsis.....                                | 36              | 22.2                | 21.9 | ----- | 30.6    | 27.3 | ----- | 36.1     | 31.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 30              | 0.0                 | 4.7  | ----- | 0.0     | 5.6  | ----- | 0.0      | 6.5  | ----- |
| Coronary Artery Bypass Graft.....          | 27              | 3.7                 | 5.9  | ----- | 3.7     | 8.2  | ----- | 3.7      | 9.2  | ----- |
| Initial Pacemaker Insertion.....           | 22              | 0.0                 | 2.7  | ----- | 13.6    | 6.0  | ----- | 13.6     | 9.4  | ----- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.6  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.0  | ----- |
| Hip Replacement/Reconstruction.....        | 33              | 0.0                 | 3.4  | ----- | 9.1     | 6.6  | ----- | 15.2     | 9.1  | ----- |
| Open Reduction of Hip Fracture.....        | 27              | 3.7                 | 4.8  | ----- | 11.1    | 8.8  | ----- | 14.8     | 11.9 | ----- |
| Prostatectomy.....                         | 78              | 0.0                 | 0.9  | 1.4   | 2.6     | 1.9  | 1.6   | 5.1      | 3.1  | 2.6   |
| Cholecystectomy.....                       | 61              | 4.9                 | 2.3  | 3.3   | 4.9     | 4.1  | 2.6   | 6.6      | 5.5  | 3.1   |
| Hysterectomy.....                          | 26              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MIDWEST CITY REGIONAL HOSPITAL

Medicare Provider Number: 370094

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 57.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.4 %

### COMORBIDITIES:

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 32.7 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 5.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 86.1%  
State..... 11.8%  
Outside State..... 2.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.2 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 173  
Occupancy Rate..... 82.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 42.8 %  
Case Mix Index (CMI)..... 1.2215

### STAFFING:

Total Number of Physicians..... 99  
Percent of Physicians Board  
Certified Specialists..... 68.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 215  
Licensed Practical Nurses..... 65

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# MISSION HILL MEMORIAL HOSPITAL

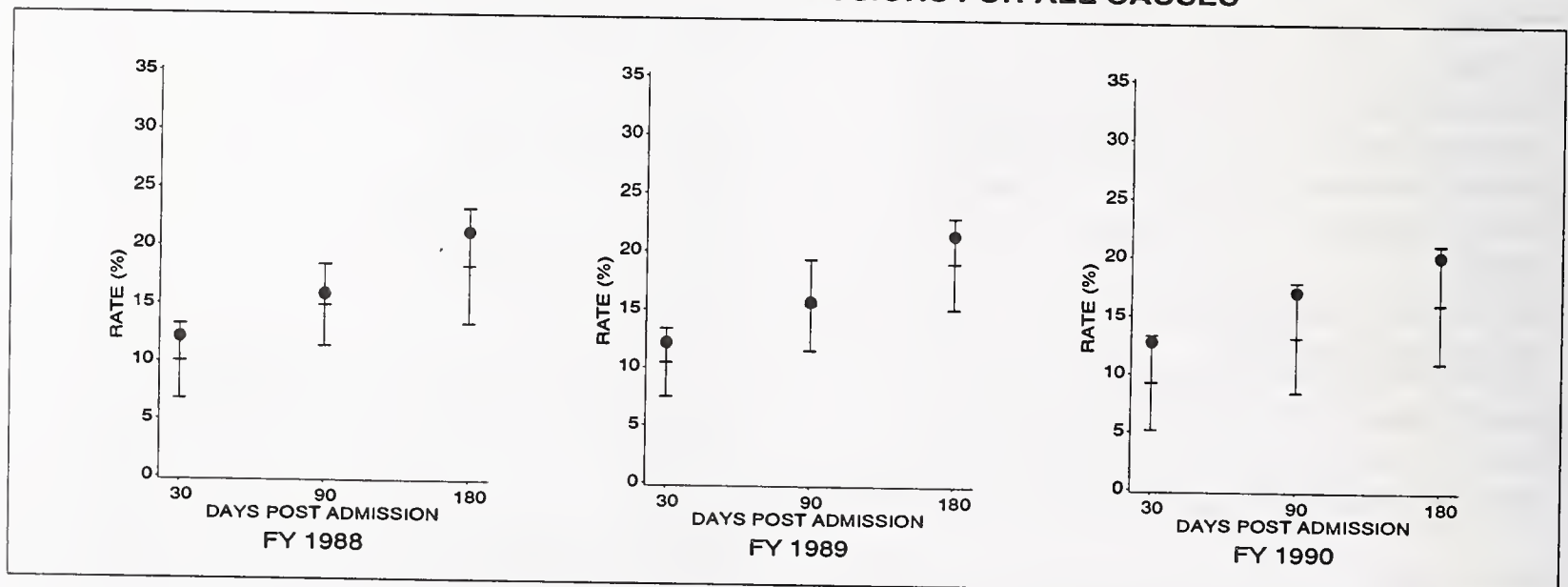
1900 GORDON COOPER DR  
SHAWNEE, OK 74801  
Medicare Provider Number: 370076

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 458             | 12.7                | 9.2  | 2.1   | 17.0    | 13.1 | 2.4   | 20.1     | 16.0 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11              | 9.1                 | 27.2 | ----- | 9.1     | 30.5 | ----- | 18.2     | 33.3 | ----- |
| Congestive Heart Failure.....              | 19              | 26.3                | 15.9 | ----- | 36.8    | 24.2 | ----- | 42.1     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 27              | 25.9                | 15.8 | ----- | 33.3    | 21.2 | ----- | 33.3     | 24.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 16.7                | 4.9  | ----- | 16.7    | 8.3  | ----- | 16.7     | 11.5 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 24              | 54.2                | 26.4 | ----- | 58.3    | 32.9 | ----- | 62.5     | 37.0 | ----- |
| Hip Fracture.....                          | 19              | 0.0                 | 4.9  | ----- | 5.3     | 9.3  | ----- | 10.5     | 12.5 | ----- |
| Sepsis.....                                | 11              | 18.2                | 24.3 | ----- | 27.3    | 30.0 | ----- | 45.5     | 33.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 1.8  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.2  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 17              | 0.0                 | 3.9  | ----- | 5.9     | 7.5  | ----- | 11.8     | 10.1 | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.2  | ----- | 0.0     | 8.6  | ----- | 0.0      | 12.5 | ----- |
| Prostatectomy.....                         | 20              | 5.0                 | 1.8  | ----- | 10.0    | 3.6  | ----- | 10.0     | 5.9  | ----- |
| Cholecystectomy.....                       | 7               | 0.0                 | 1.1  | ----- | 14.3    | 2.3  | ----- | 14.3     | 3.6  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.3  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MISSION HILL MEMORIAL HOSPITAL

Medicare Provider Number: 370076

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 55.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 4.4 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.8 %

### COMORBIDITIES:

Cancer..... 2.0 %  
Chronic cardiovascular disease..... 28.6 %  
Chronic liver disease..... 1.7 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 9.8 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 3.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 79.1%  
State..... 18.7%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.6 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 54  
Occupancy Rate..... 57.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 36.5 %  
Case Mix Index (CMI)..... 1.1130

### STAFFING:

Total Number of Physicians..... 22  
Percent of Physicians Board  
Certified Specialists..... 59.1 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 36  
Licensed Practical Nurses..... 61

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MUSKOGEE REGIONAL MEDICAL CENTER

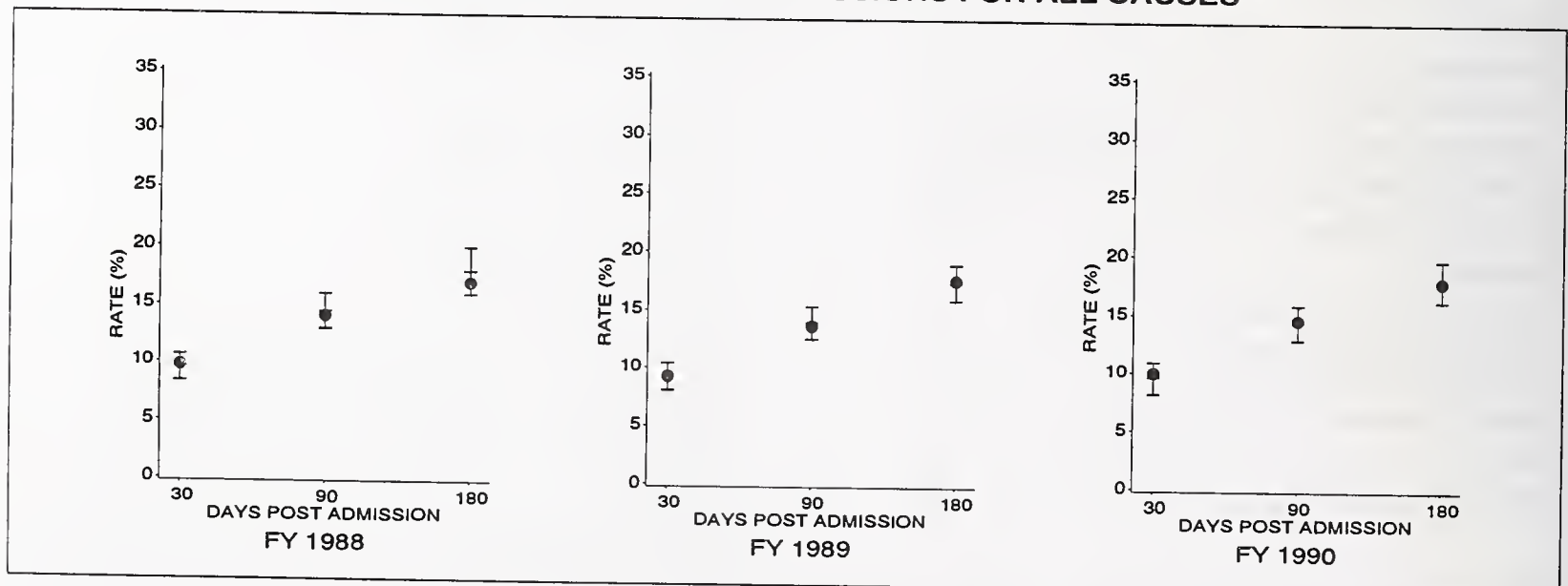
300 EDNA M ROCKEFELLER DRIVE  
MUSKOGEE, OK 74401  
Medicare Provider Number: 370025

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2696               | 9.9                 | 9.5  | 0.7   | 14.5    | 14.3 | 0.7   | 17.8     | 17.9 | 0.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 83                 | 28.9                | 28.1 | 5.5   | 32.5    | 31.6 | 5.3   | 34.9     | 34.6 | 5.2   |
| Congestive Heart Failure.....              | 154                | 20.8                | 14.8 | 5.4   | 27.9    | 23.6 | 5.3   | 35.1     | 29.8 | 5.5   |
| Pneumonia/Influenza.....                   | 185                | 14.6                | 14.7 | 3.1   | 25.9    | 20.4 | 4.0   | 30.8     | 24.2 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 51                 | 13.7                | 9.7  | 6.0   | 15.7    | 16.8 | 6.1   | 19.6     | 21.9 | 6.9   |
| Transient Cerebral Ischemia.....           | 33                 | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 3.0      | 5.4  | ----- |
| Stroke.....                                | 137                | 16.1                | 20.1 | 4.5   | 19.7    | 26.4 | 5.5   | 22.6     | 30.1 | 6.1   |
| Hip Fracture.....                          | 112                | 5.4                 | 6.2  | 2.5   | 8.0     | 11.1 | 4.1   | 12.5     | 14.6 | 5.2   |
| Sepsis.....                                | 42                 | 26.2                | 24.3 | ----- | 28.6    | 33.0 | ----- | 33.3     | 38.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 30                 | 10.0                | 3.1  | ----- | 20.0    | 6.3  | ----- | 23.3     | 9.3  | ----- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 1.4  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 59                 | 5.1                 | 3.8  | 2.8   | 5.1     | 7.2  | 4.2   | 6.8      | 9.7  | 4.8   |
| Open Reduction of Hip Fracture.....        | 68                 | 1.5                 | 5.7  | 5.4   | 5.9     | 10.6 | 8.1   | 10.3     | 14.2 | 8.9   |
| Prostatectomy.....                         | 55                 | 0.0                 | 0.9  | 1.8   | 3.6     | 2.0  | 2.3   | 3.6      | 3.4  | 2.5   |
| Cholecystectomy.....                       | 79                 | 6.3                 | 2.9  | 3.7   | 7.6     | 5.0  | 3.4   | 7.6      | 6.4  | 3.1   |
| Hysterectomy.....                          | 25                 | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MUSKOGEE REGIONAL MEDICAL CENTER

Medicare Provider Number: 370025

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 35.7 %  
Admitted for emergency..... 56.3 %

### COMORBIDITIES:

Cancer..... 8.6 %  
Chronic cardiovascular disease..... 38.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 20.7 %  
Cerebrovascular degeneration..... 4.9 %  
Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 66.8%  
State ..... 31.5%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 281  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 46.2 %  
Case Mix Index (CMI) ..... 1.2481

### STAFFING:

Total Number of Physicians..... 85  
Percent of Physicians Board  
Certified Specialists..... 61.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 205  
Licensed Practical Nurses ..... 81

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NEWMAN MEMORIAL HOSPITAL

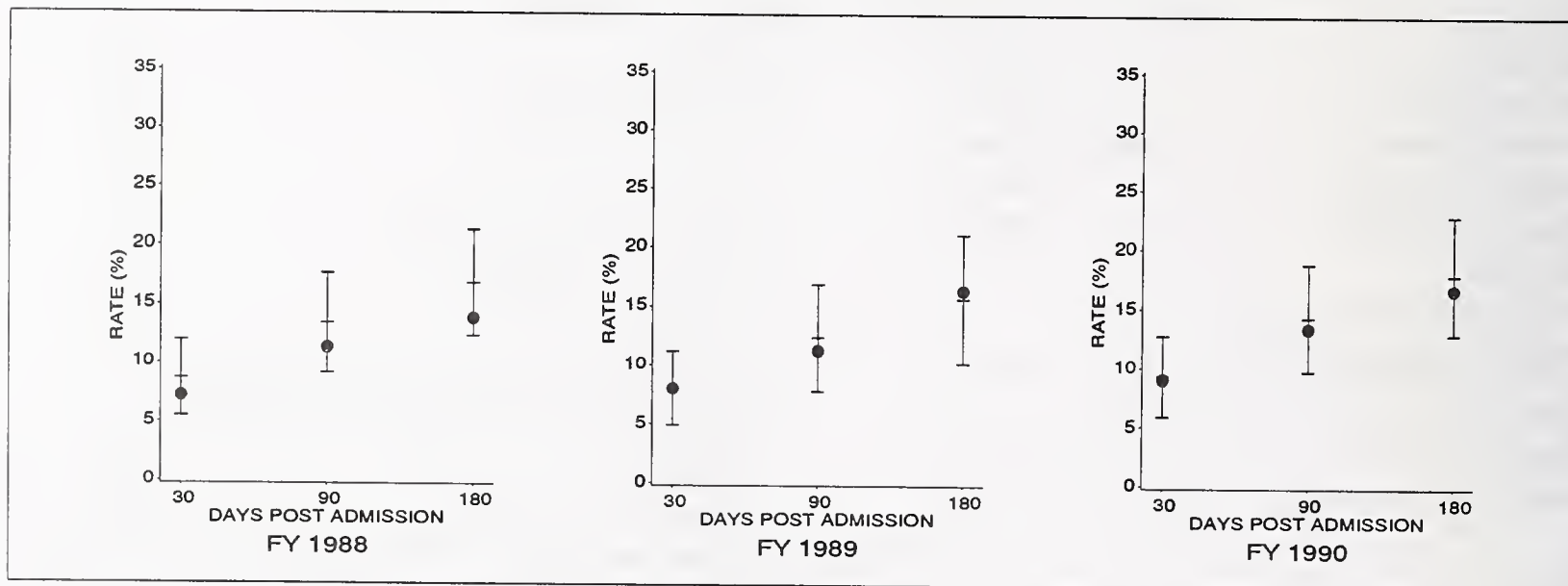
919 S MAIN ST  
SHATTUCK, OK 73858  
Medicare Provider Number: 370007

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 301                | 9.0                 | 9.3  | 1.7   | 13.3    | 14.2 | 2.3   | 16.6     | 17.8 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12                 | 25.0                | 25.9 | ----- | 25.0    | 29.4 | ----- | 25.0     | 32.4 | ----- |
| Congestive Heart Failure.....              | 17                 | 5.9                 | 13.7 | ----- | 5.9     | 22.1 | ----- | 11.8     | 28.7 | ----- |
| Pneumonia/Influenza.....                   | 24                 | 16.7                | 15.9 | ----- | 25.0    | 22.5 | ----- | 29.2     | 26.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 3.2  | ----- | 0.0     | 6.3  | ----- | 0.0      | 9.3  | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.2  | ----- | 0.0     | 2.7  | ----- | 50.0     | 4.7  | ----- |
| Stroke.....                                | 19                 | 0.0                 | 17.2 | ----- | 5.3     | 22.2 | ----- | 10.5     | 26.4 | ----- |
| Hip Fracture.....                          | 8                  | 0.0                 | 4.5  | ----- | 12.5    | 8.3  | ----- | 12.5     | 11.0 | ----- |
| Sepsis.....                                | 3                  | 33.3                | 26.7 | ----- | 33.3    | 33.3 | ----- | 33.3     | 37.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4                  | 0.0                 | 3.1  | ----- | 50.0    | 7.5  | ----- | 50.0     | 11.8 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 5.1  | ----- | 33.3    | 9.2  | ----- | 33.3     | 12.1 | ----- |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 3.5  | ----- | 0.0     | 6.6  | ----- | 0.0      | 8.9  | ----- |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 100.0               | 0.9  | ----- | 100.0   | 2.1  | ----- | 100.0    | 3.4  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NEWMAN MEMORIAL HOSPITAL

Medicare Provider Number: 370007

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 57.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.6 %  
Transferred from skilled nursing facility..... 1.3 %  
Admitted for elective procedure..... 0.3 %  
Admitted for emergency..... 0.3 %

### COMORBIDITIES:

Cancer..... 8.0 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 16.6 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 8.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 48.7%  
State ..... 29.4%  
Outside State ..... 21.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 49  
Occupancy Rate ..... 37.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 1.1425

### STAFFING:

Total Number of Physicians..... 16  
Percent of Physicians Board  
Certified Specialists..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# NORMAN REGIONAL HOSPITAL

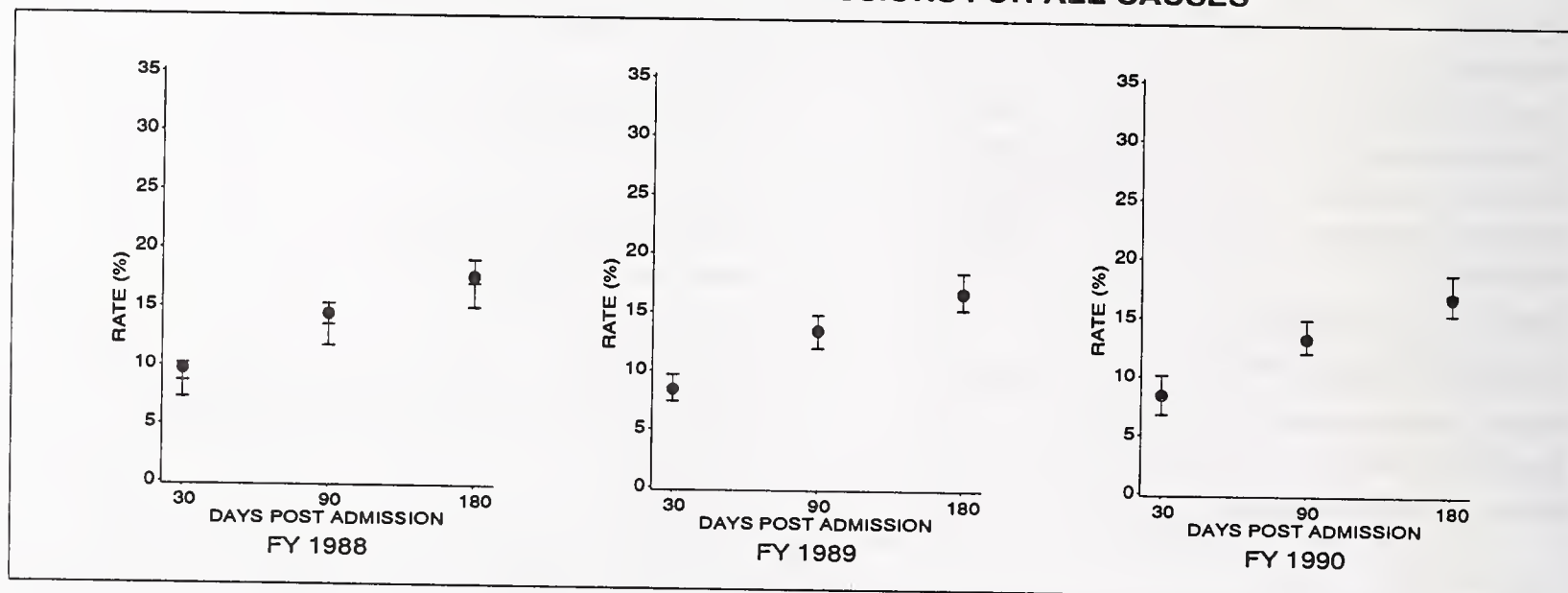
901 N PORTER, BOX 1308  
NORMAN, OK 73070  
Medicare Provider Number: 370008

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2385               | 8.4                 | 8.4  | 0.8   | 13.2    | 13.4 | 0.7   | 16.7     | 17.0 | 0.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 47                 | 29.8                | 20.2 | ----- | 31.9    | 22.8 | ----- | 31.9     | 25.4 | ----- |
| Congestive Heart Failure.....              | 108                | 10.2                | 15.3 | 5.1   | 17.6    | 24.6 | 5.8   | 24.1     | 31.2 | 6.1   |
| Pneumonia/Influenza.....                   | 148                | 21.6                | 15.3 | 4.0   | 25.7    | 21.6 | 3.8   | 33.1     | 25.6 | 4.8   |
| Chronic Obstructive Pulmonary Disease..... | 46                 | 2.2                 | 6.4  | ----- | 13.0    | 11.8 | ----- | 15.2     | 16.0 | ----- |
| Transient Cerebral Ischemia.....           | 40                 | 2.5                 | 1.6  | ----- | 5.0     | 3.6  | ----- | 10.0     | 6.0  | ----- |
| Stroke.....                                | 67                 | 22.4                | 19.5 | 7.6   | 34.3    | 26.6 | 11.0  | 38.8     | 31.0 | 12.1  |
| Hip Fracture.....                          | 80                 | 3.7                 | 6.6  | 3.2   | 6.3     | 11.7 | 4.6   | 7.5      | 15.4 | 5.2   |
| Sepsis.....                                | 26                 | 23.1                | 22.8 | ----- | 34.6    | 32.0 | ----- | 42.3     | 37.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 19                 | 0.0                 | 4.0  | ----- | 21.1    | 8.0  | ----- | 21.1     | 11.5 | ----- |
| Carotid Endarterectomy.....                | 27                 | 0.0                 | 1.7  | ----- | 0.0     | 3.5  | ----- | 3.7      | 5.2  | ----- |
| Hip Replacement/Reconstruction.....        | 49                 | 0.0                 | 4.1  | ----- | 4.1     | 7.7  | ----- | 6.1      | 10.6 | ----- |
| Open Reduction of Hip Fracture.....        | 27                 | 7.4                 | 6.4  | ----- | 7.4     | 12.0 | ----- | 7.4      | 16.3 | ----- |
| Prostatectomy.....                         | 124                | 2.4                 | 1.1  | 1.4   | 4.8     | 2.5  | 2.4   | 4.8      | 4.3  | 1.9   |
| Cholecystectomy.....                       | 50                 | 4.0                 | 2.5  | ----- | 8.0     | 4.4  | ----- | 10.0     | 5.8  | ----- |
| Hysterectomy.....                          | 19                 | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.7  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORMAN REGIONAL HOSPITAL

Medicare Provider Number: 370008

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 59.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.8 %  
Admitted for emergency..... 4.6 %

### COMORBIDITIES:

Cancer..... 9.6 %  
Chronic cardiovascular disease..... 32.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 16.8 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.8%  
State ..... 34.4%  
Outside State ..... 2.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 255  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 40.9 %  
Case Mix Index (CMI) ..... 1.2110

### STAFFING:

Total Number of Physicians..... 101  
Percent of Physicians Board  
Certified Specialists..... 76.2 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 198  
Licensed Practical Nurses..... 89

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OKARCHE MEMORIAL HOSPITAL

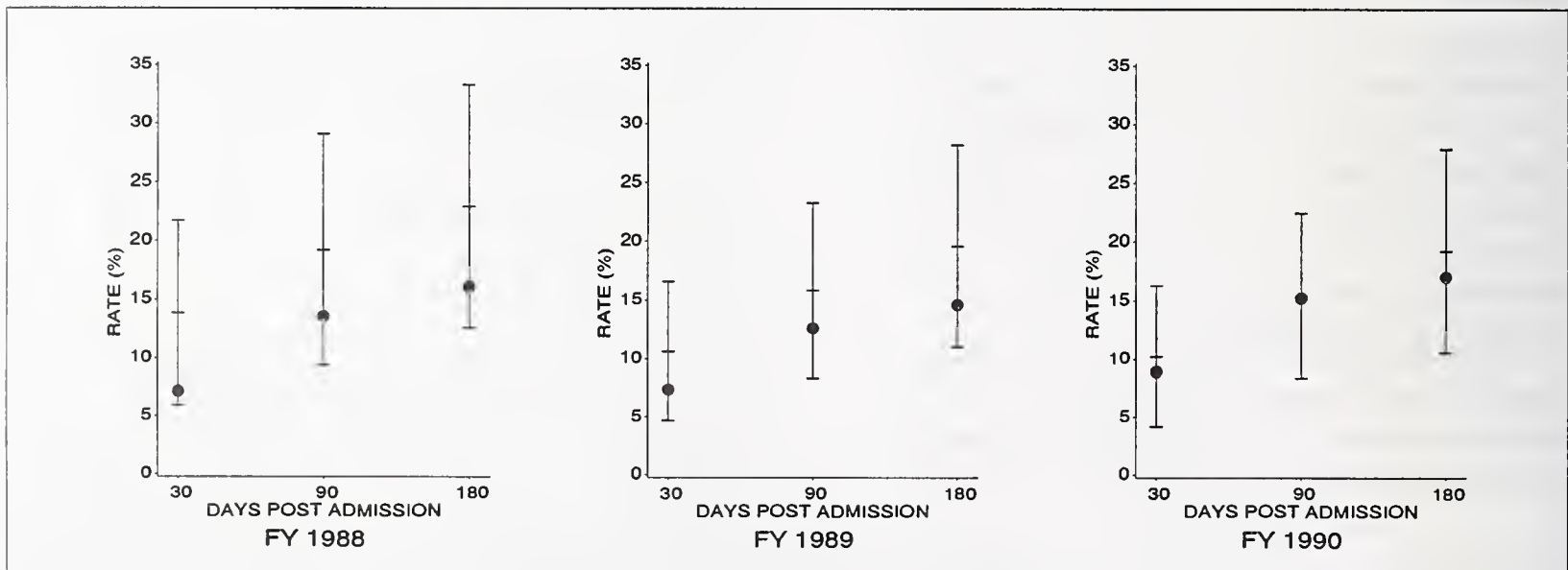
300 MEMORIAL DR, BOX 218  
OKARCHE, OK 73762  
Medicare Provider Number: 370069

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 112                | 8.9                 | 10.2 | 3.0   | 15.2    | 15.4 | 3.5   | 17.0     | 19.2 | 4.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 50.0                | 28.5 | ----- | 50.0    | 32.4 | ----- | 50.0     | 35.5 | ----- |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 13.6 | ----- | 0.0     | 20.2 | ----- | 0.0      | 26.0 | ----- |
| Pneumonia/Influenza.....                   | 7                  | 14.3                | 17.5 | ----- | 14.3    | 24.1 | ----- | 14.3     | 28.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 0.0                 | 6.6  | ----- | 0.0     | 12.4 | ----- | 0.0      | 16.8 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 5.6  | ----- | 0.0     | 12.4 | ----- | 0.0      | 20.8 | ----- |
| Stroke.....                                | 2                  | 100.0               | 16.4 | ----- | 100.0   | 24.0 | ----- | 100.0    | 28.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 7                  | 14.3                | 16.3 | ----- | 14.3    | 22.3 | ----- | 14.3     | 26.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3                  | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OKARCHE MEMORIAL HOSPITAL

Medicare Provider Number: 370069

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.7 years

Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.9 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.9 %

### COMORBIDITIES:

Cancer..... 4.5 %

Chronic cardiovascular disease..... 49.1 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 1.8 %

Chronic pulmonary disease..... 8.9 %

Cerebrovascular degeneration..... 6.3 %

Diabetes mellitus..... 12.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 55.7%

State ..... 43.2%

Outside State ..... 1.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days

State ..... 7.6 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 25

Ownership/Control..... Private, Non-Profit

Case Mix Index (CMI) ..... 1.0073

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 7

Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... Yes

Hospice Care ..... No

Intensive Care Unit ..... No

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OKEENE MUNICIPAL HOSPITAL

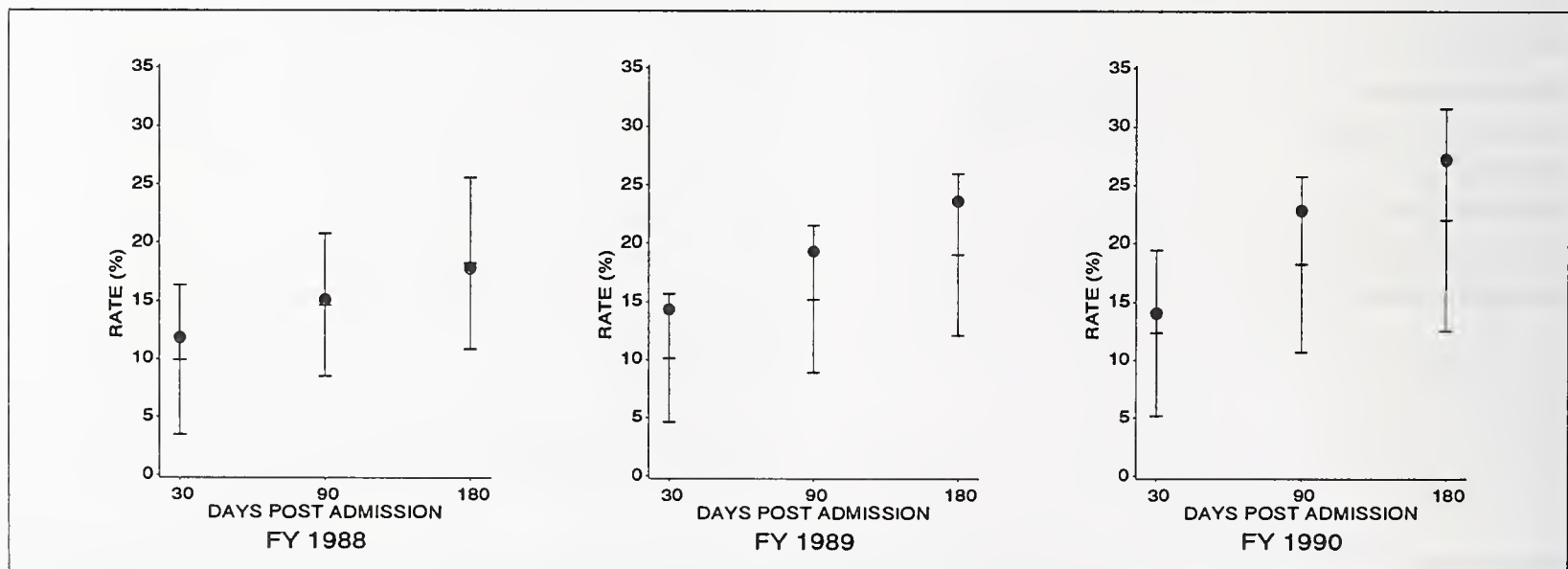
201 EAST F STREET, BOX 489  
OKEENE, OK 73763  
Medicare Provider Number: 370045

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 136             | 14.0                | 12.3 | 3.6   | 22.8    | 18.2 | 3.8   | 27.2     | 22.0 | 4.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8               | 37.5                | 24.6 | ----- | 37.5    | 29.9 | ----- | 37.5     | 33.7 | ----- |
| Congestive Heart Failure.....              | 3               | 0.0                 | 10.1 | ----- | 33.3    | 16.8 | ----- | 33.3     | 24.1 | ----- |
| Pneumonia/Influenza.....                   | 10              | 10.0                | 11.3 | ----- | 20.0    | 15.8 | ----- | 20.0     | 18.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.0  | ----- | 0.0     | 8.8  | ----- | 0.0      | 12.2 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 11              | 27.3                | 14.9 | ----- | 36.4    | 20.7 | ----- | 54.5     | 24.2 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5               | 0.0                 | 24.1 | ----- | 0.0     | 35.8 | ----- | 0.0      | 40.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 6.5  | ----- | 0.0     | 11.5 | ----- | 0.0      | 13.8 | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OKEENE MUNICIPAL HOSPITAL

Medicare Provider Number: 370045

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 50.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.5 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 29.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 11.0 %  
Cerebrovascular degeneration..... 2.2 %  
Diabetes mellitus..... 13.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 71.6%  
State ..... 27.9%  
Outside State ..... 0.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 80  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 1.0607

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# OKLAHOMA MEDICAL CENTER

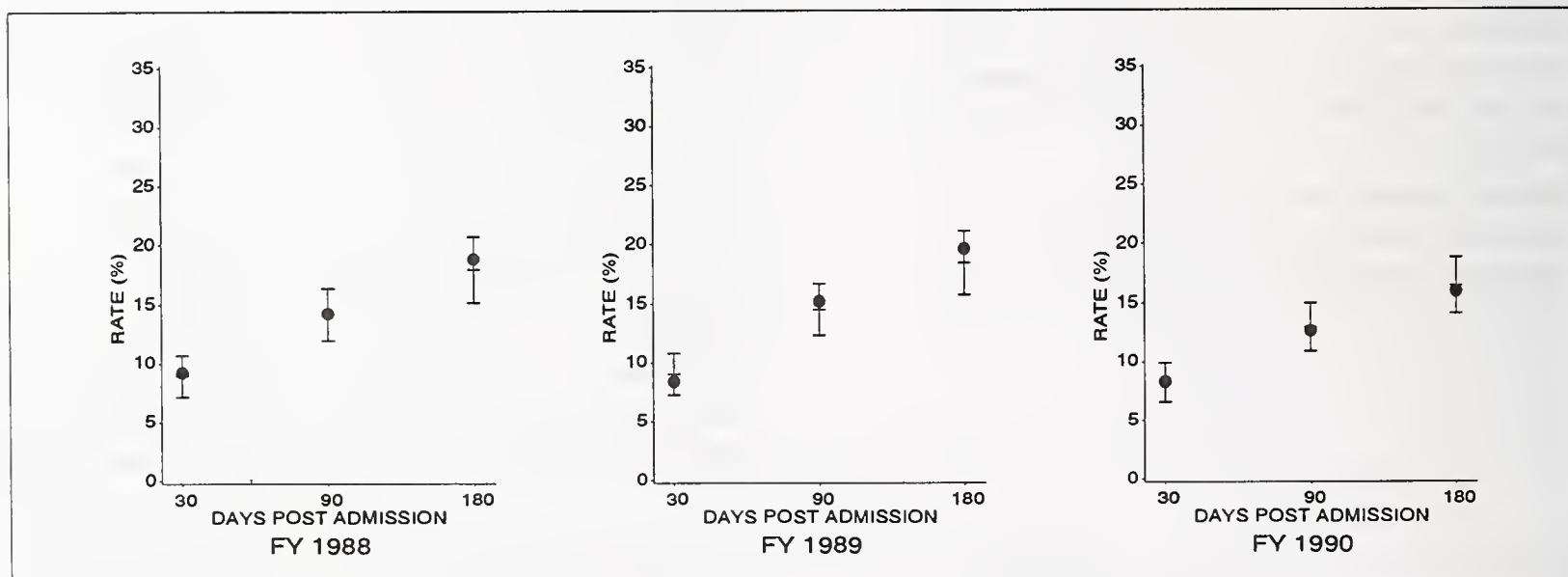
800 NORTHEAST 13TH ST, BOX 26307  
OKLAHOMA CITY, OK 73126  
Medicare Provider Number: 370035

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1131            | 8.3                 | 8.2  | 0.8   | 12.6    | 12.9 | 1.0   | 15.9     | 16.4 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 35.0                | 21.5 | ----- | 35.0    | 23.9 | ----- | 35.0     | 26.2 | ----- |
| Congestive Heart Failure.....              | 30              | 20.0                | 15.1 | ----- | 26.7    | 23.9 | ----- | 43.3     | 30.0 | ----- |
| Pneumonia/Influenza.....                   | 36              | 8.3                 | 11.0 | ----- | 25.0    | 15.7 | ----- | 30.6     | 19.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 24              | 4.2                 | 8.9  | ----- | 12.5    | 15.4 | ----- | 12.5     | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 10              | 0.0                 | 1.3  | ----- | 10.0    | 2.9  | ----- | 10.0     | 4.6  | ----- |
| Stroke.....                                | 27              | 14.8                | 22.8 | ----- | 18.5    | 27.8 | ----- | 18.5     | 31.2 | ----- |
| Hip Fracture.....                          | 10              | 10.0                | 6.3  | ----- | 10.0    | 10.8 | ----- | 10.0     | 13.7 | ----- |
| Sepsis.....                                | 10              | 40.0                | 30.3 | ----- | 50.0    | 41.2 | ----- | 50.0     | 46.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 12              | 0.0                 | 3.8  | ----- | 0.0     | 4.6  | ----- | 0.0      | 5.4  | ----- |
| Coronary Artery Bypass Graft.....          | 10              | 10.0                | 6.8  | ----- | 10.0    | 10.3 | ----- | 10.0     | 12.1 | ----- |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 3.6  | ----- | 0.0     | 7.7  | ----- | 33.3     | 10.7 | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.5  | ----- |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 1.9  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.5  | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 4.7  | ----- | 0.0     | 7.8  | ----- | 0.0      | 10.2 | ----- |
| Prostatectomy.....                         | 28              | 0.0                 | 0.6  | ----- | 3.6     | 1.5  | ----- | 3.6      | 2.6  | ----- |
| Cholecystectomy.....                       | 5               | 0.0                 | 4.3  | ----- | 0.0     | 9.6  | ----- | 20.0     | 14.2 | ----- |
| Hysterectomy.....                          | 8               | 0.0                 | 1.4  | ----- | 12.5    | 3.0  | ----- | 12.5     | 4.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OKLAHOMA MEDICAL CENTER

Medicare Provider Number: 370035

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 64.0 years  
Proportion female..... 52.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 10.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 25.4 %  
Admitted for emergency..... 39.3 %

### COMORBIDITIES:

Cancer..... 13.0 %  
Chronic cardiovascular disease..... 24.6 %  
Chronic liver disease..... 1.9 %  
Chronic renal disease..... 7.2 %  
Chronic pulmonary disease..... 8.4 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 6.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 53.0%  
State ..... 42.8%  
Outside State ..... 4.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 571  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... State Government  
Medicare Discharges ..... 11.5 %  
Case Mix Index (CMI) ..... 1.4016

### STAFFING:

Total Number of Physicians..... 379  
Percent of Physicians Board  
Certified Specialists ..... 74.4 %  
Medical Residents/Interns ..... 450  
Registered Nurses..... 656  
Licensed Practical Nurses ..... 188

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OKMULGEE MEMORIAL HOSPITAL

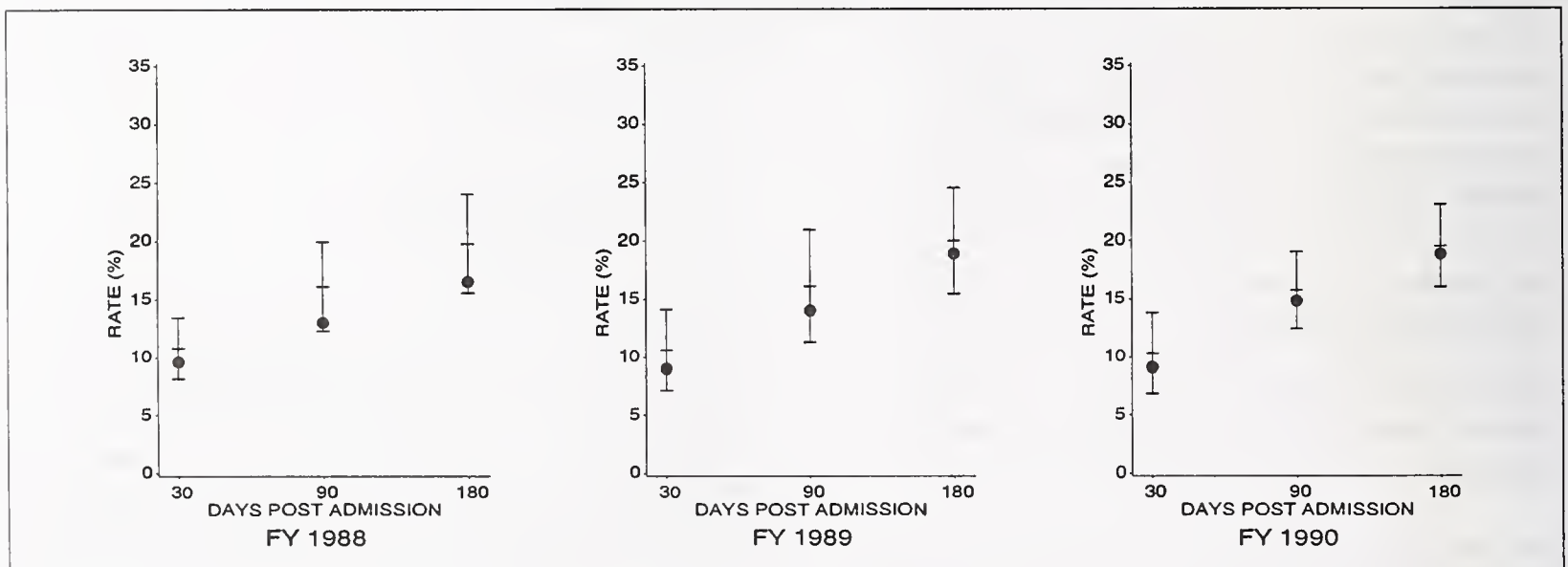
1401 MORRIS DR, BOX 1038  
OKMULGEE, OK 74447  
Medicare Provider Number: 370057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 803             | 9.1                 | 10.3 | 1.7   | 14.8    | 15.7 | 1.7   | 18.8     | 19.5 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 26.3                | 35.7 | ----- | 36.8    | 39.4 | ----- | 42.1     | 43.3 | ----- |
| Congestive Heart Failure.....              | 53              | 17.0                | 15.1 | 5.2   | 18.9    | 23.6 | 7.2   | 26.4     | 29.7 | 7.7   |
| Pneumonia/Influenza.....                   | 40              | 12.5                | 17.4 | ----- | 20.0    | 24.2 | ----- | 30.0     | 28.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 6.9  | ----- | 0.0     | 12.3 | ----- | 5.9      | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 3.2  | ----- | 0.0     | 7.1  | ----- | 25.0     | 11.6 | ----- |
| Stroke.....                                | 42              | 14.3                | 19.8 | ----- | 31.0    | 26.0 | ----- | 35.7     | 30.0 | ----- |
| Hip Fracture.....                          | 45              | 11.1                | 5.6  | ----- | 13.3    | 9.7  | ----- | 20.0     | 12.8 | ----- |
| Sepsis.....                                | 16              | 31.3                | 28.0 | ----- | 37.5    | 37.3 | ----- | 37.5     | 42.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 21              | 9.5                 | 4.7  | ----- | 9.5     | 8.1  | ----- | 14.3     | 10.8 | ----- |
| Open Reduction of Hip Fracture.....        | 24              | 8.3                 | 4.6  | ----- | 12.5    | 8.5  | ----- | 20.8     | 11.6 | ----- |
| Prostatectomy.....                         | 73              | 0.0                 | 1.6  | 1.9   | 2.7     | 4.2  | 3.0   | 4.1      | 7.4  | 4.6   |
| Cholecystectomy.....                       | 5               | 0.0                 | 1.1  | ----- | 0.0     | 2.0  | ----- | 0.0      | 2.7  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OKMULGEE MEMORIAL HOSPITAL

Medicare Provider Number: 370057

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 55.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 36.9 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 15.2 %  
Admitted for emergency..... 1.9 %

### COMORBIDITIES:

Cancer..... 7.0 %  
Chronic cardiovascular disease..... 33.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 4.9 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 9.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.4%  
State ..... 14.8%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 66  
Occupancy Rate ..... 62.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 47.8 %  
Case Mix Index (CMI) ..... 1.1000

### STAFFING:

Total Number of Physicians..... 18  
Percent of Physicians Board  
Certified Specialists ..... 61.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 31  
Licensed Practical Nurses ..... 24

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PARK VIEW HOSPITAL

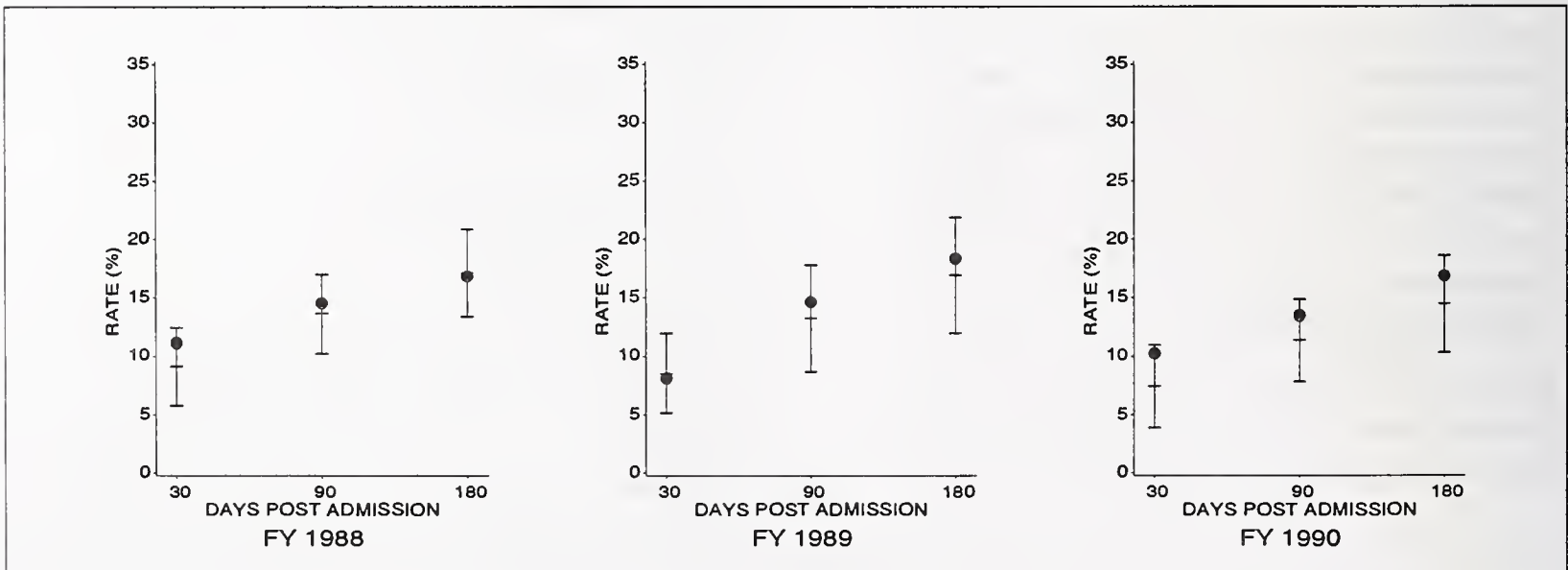
2115 PARK VIEW DR, BOX 129  
EL RENO, OK 73036  
Medicare Provider Number: 370011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 469             | 10.2                | 7.4  | 1.8  | 13.4    | 11.3 | 1.8  | 16.8     | 14.4 | 2.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 30.1 | ---- | 33.3    | 32.7 | ---- | 33.3     | 36.1 | ---- |
| Congestive Heart Failure.....              | 25              | 24.0                | 15.4 | ---- | 28.0    | 24.6 | ---- | 32.0     | 30.9 | ---- |
| Pneumonia/Influenza.....                   | 34              | 11.8                | 15.4 | ---- | 20.6    | 21.2 | ---- | 26.5     | 25.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 10.8 | ---- | 0.0     | 18.3 | ---- | 0.0      | 22.8 | ---- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 1.2  | ---- | 0.0     | 3.1  | ---- | 0.0      | 5.5  | ---- |
| Stroke.....                                | 26              | 30.8                | 18.7 | ---- | 42.3    | 24.8 | ---- | 46.2     | 29.2 | ---- |
| Hip Fracture.....                          | 0               |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1               | 100.0               | 47.7 | ---- | 100.0   | 53.6 | ---- | 100.0    | 58.0 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 15              | 0.0                 | 0.6  | ---- | 0.0     | 1.6  | ---- | 0.0      | 2.8  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.0  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.8  | ---- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.5  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PARK VIEW HOSPITAL

Medicare Provider Number: 370011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.0 years  
Proportion female..... 66.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 50.3 %  
Admitted for emergency..... 43.7 %

### COMORBIDITIES:

Cancer..... 3.4 %  
Chronic cardiovascular disease..... 26.7 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 13.6 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 80.1%  
State..... 17.3%  
Outside State..... 2.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.3 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 54  
Occupancy Rate..... 46.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 44.7 %  
Case Mix Index (CMI)..... 0.9300

### STAFFING:

Total Number of Physicians..... 7  
Percent of Physicians Board  
Certified Specialists..... 57.1 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 28  
Licensed Practical Nurses..... 26

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# PAULS VALLEY GENERAL HOSPITAL

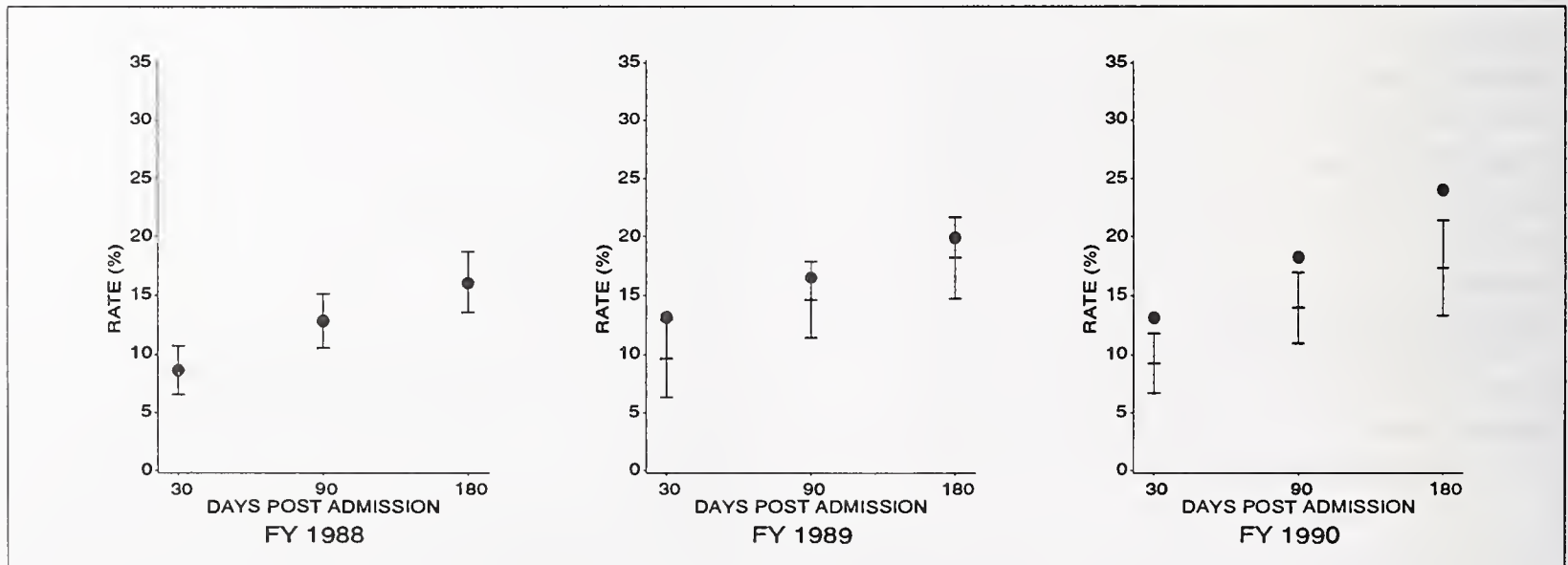
100 VALLEY DR  
PAULS VALLEY, OK 73075  
Medicare Provider Number: 370156

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 549             | 13.1                | 9.2  | 1.3   | 18.2    | 13.9 | 1.5   | 24.0     | 17.3 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 55.6                | 23.3 | ----- | 61.1    | 25.8 | ----- | 61.1     | 28.9 | ----- |
| Congestive Heart Failure.....              | 33              | 12.1                | 14.4 | ----- | 12.1    | 22.6 | ----- | 18.2     | 29.0 | ----- |
| Pneumonia/Influenza.....                   | 72              | 11.1                | 11.1 | 3.7   | 12.5    | 15.6 | 5.0   | 23.6     | 18.7 | 5.7   |
| Chronic Obstructive Pulmonary Disease..... | 7               | 42.9                | 12.0 | ----- | 57.1    | 20.8 | ----- | 57.1     | 28.0 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 12.5                | 2.2  | ----- | 12.5    | 5.3  | ----- | 25.0     | 8.8  | ----- |
| Stroke.....                                | 26              | 34.6                | 20.3 | ----- | 46.2    | 26.1 | ----- | 53.8     | 30.5 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.7  | ----- | 0.0     | 6.9  | ----- | 100.0    | 9.9  | ----- |
| Sepsis.....                                | 8               | 50.0                | 24.5 | ----- | 62.5    | 30.0 | ----- | 62.5     | 34.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 1               | 0.0                 | 2.4  | ----- | 0.0     | 5.9  | ----- | 0.0      | 10.5 | ----- |
| Cholecystectomy.....                       | 12              | 0.0                 | 2.3  | ----- | 0.0     | 4.8  | ----- | 16.7     | 6.9  | ----- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PAULS VALLEY GENERAL HOSPITAL

Medicare Provider Number: 370156

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.7 years |
| Proportion female.....        | 64.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 47.4 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 51.0 % |
| Admitted for emergency.....                    | 46.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.1 %  |
| Chronic cardiovascular disease..... | 25.7 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 3.3 %  |
| Chronic pulmonary disease.....      | 11.7 % |
| Cerebrovascular degeneration.....   | 4.2 %  |
| Diabetes mellitus.....              | 5.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 84.4%  |
| State .....         | 13.5%  |
| Outside State ..... | 2.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.8 Days |
| State .....    | 7.6 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 70               |
| Occupancy Rate .....       | 34.0 %           |
| Ownership/Control.....     | Local Government |
| Medicare Discharges .....  | 50.7 %           |
| Case Mix Index (CMI) ..... | 1.0571           |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 10     |
| Percent of Physicians Board<br>Certified Specialists..... | 60.0 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 22     |
| Licensed Practical Nurses .....                           | 26     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PAWHUSKA HOSPITAL INC

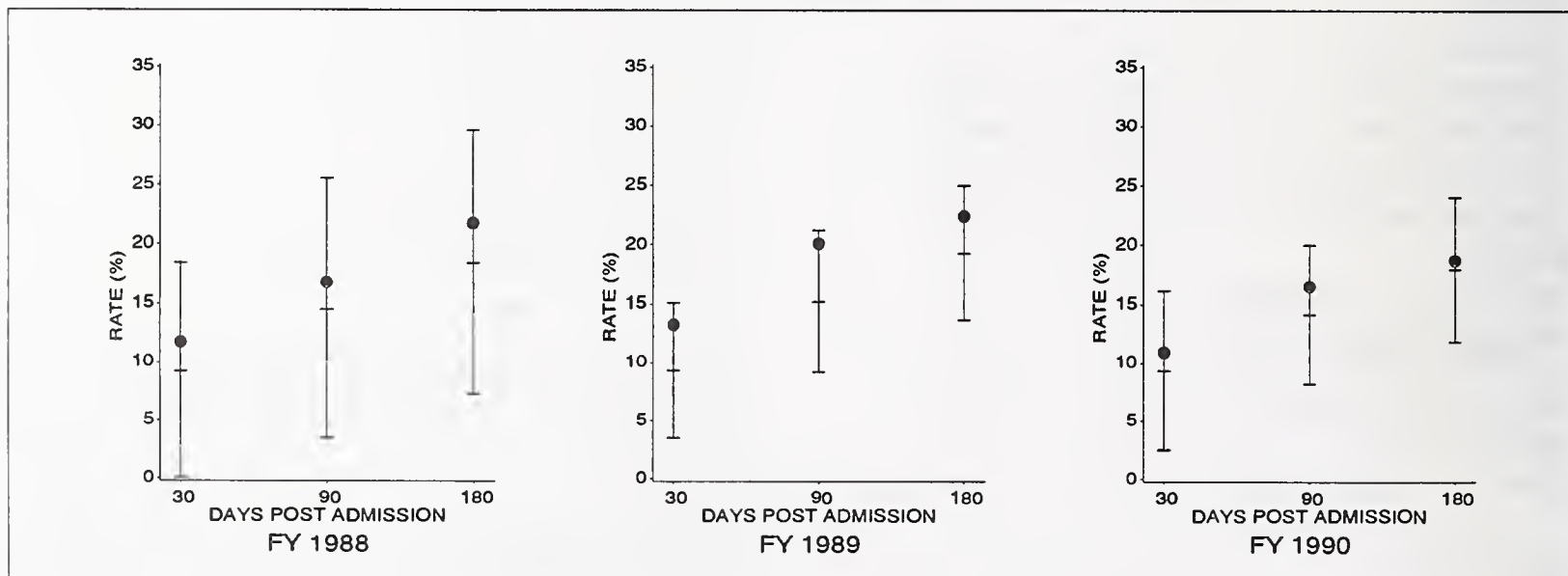
1101 E 15TH ST  
PAWHUSKA, OK 74056  
Medicare Provider Number: 370012

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 230             | 10.9                | 9.3  | 3.4   | 16.5    | 14.1 | 2.9   | 18.7     | 17.9 | 3.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 33.3                | 28.9 | ----- | 33.3    | 31.9 | ----- | 33.3     | 35.2 | ----- |
| Congestive Heart Failure.....              | 19              | 15.8                | 15.3 | ----- | 31.6    | 24.6 | ----- | 42.1     | 31.5 | ----- |
| Pneumonia/Influenza.....                   | 31              | 9.7                 | 11.7 | ----- | 12.9    | 16.7 | ----- | 12.9     | 20.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 25.0                | 7.5  | ----- | 25.0    | 12.0 | ----- | 25.0     | 15.6 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 2.0  | ----- | 0.0     | 5.3  | ----- | 0.0      | 9.3  | ----- |
| Stroke.....                                | 10              | 30.0                | 19.9 | ----- | 30.0    | 24.8 | ----- | 40.0     | 28.2 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 2.9  | ----- | 0.0     | 5.9  | ----- | 0.0      | 8.7  | ----- |
| Sepsis.....                                | 1               | 0.0                 | 19.9 | ----- | 0.0     | 25.7 | ----- | 0.0      | 31.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 1.1  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.5  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PAWHUSKA HOSPITAL INC

Medicare Provider Number: 370012

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 62.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.5 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 30.0 %

### COMORBIDITIES:

Cancer..... 4.8 %  
Chronic cardiovascular disease..... 24.8 %  
Chronic liver disease..... 1.7 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 17.4 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 12.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 92.1%  
State..... 5.9%  
Outside State..... 2.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.2 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 33  
Occupancy Rate..... 33.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 61.5 %  
Case Mix Index (CMI)..... 0.9230

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 25.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 10

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PAWNEE MUNICIPAL HOSPITAL AUTHORITY

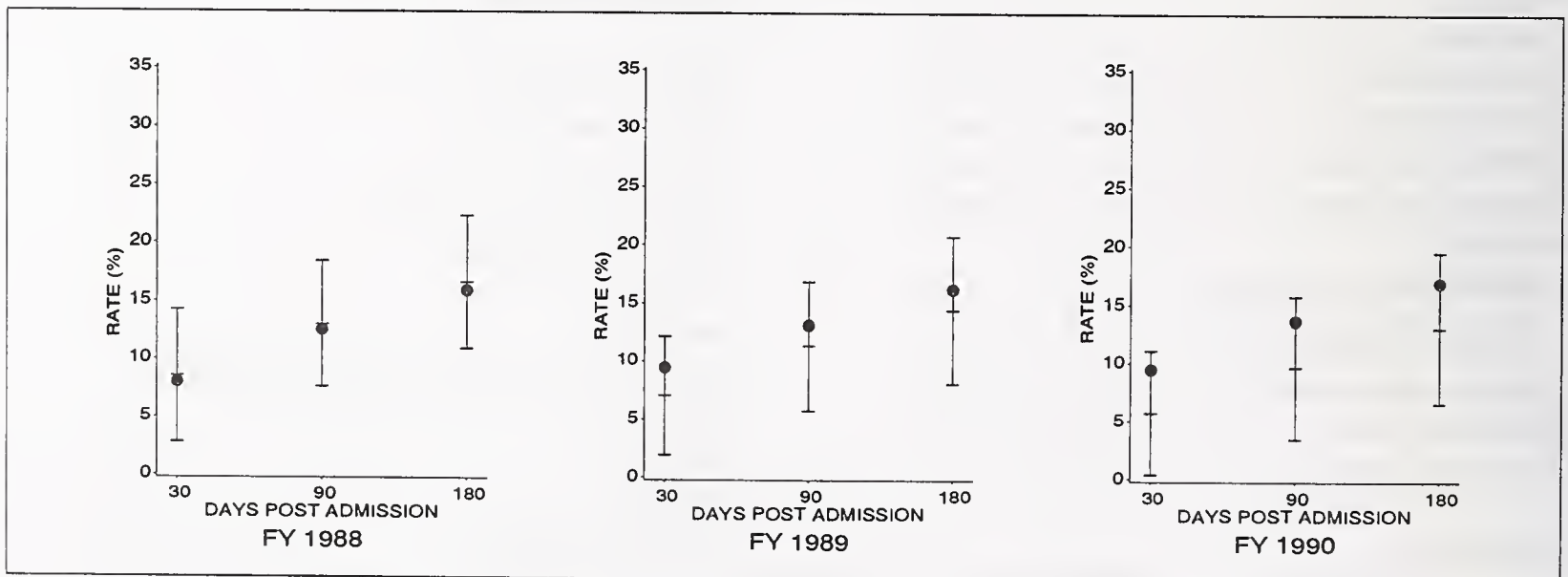
1212 4TH ST, BOX 467  
PAWNEE, OK 74058  
Medicare Provider Number: 370060

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 213             | 9.4                 | 5.7  | 2.7   | 13.6    | 9.6  | 3.1   | 16.9     | 13.0 | 3.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2               | 0.0                 | 17.9 | ----- | 50.0    | 20.5 | ----- | 50.0     | 23.7 | ----- |
| Congestive Heart Failure.....              | 9               | 44.4                | 17.2 | ----- | 44.4    | 27.7 | ----- | 44.4     | 36.0 | ----- |
| Pneumonia/Influenza.....                   | 19              | 21.1                | 8.8  | ----- | 21.1    | 12.4 | ----- | 31.6     | 15.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 8.0  | ----- | 20.0    | 14.6 | ----- | 20.0     | 20.1 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 3.2  | ----- | 0.0     | 8.5  | ----- | 0.0      | 14.7 | ----- |
| Stroke.....                                | 5               | 40.0                | 11.0 | ----- | 40.0    | 17.9 | ----- | 40.0     | 23.3 | ----- |
| Hip Fracture.....                          | 2               | 0.0                 | 1.9  | ----- | 0.0     | 4.0  | ----- | 0.0      | 5.9  | ----- |
| Sepsis.....                                | 10              | 20.0                | 11.7 | ----- | 40.0    | 16.8 | ----- | 40.0     | 20.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 1.8  | ----- | 0.0     | 3.9  | ----- | 0.0      | 5.7  | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 1.5  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.4  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.7  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.7  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PAWNEE MUNICIPAL HOSPITAL AUTHORITY

Medicare Provider Number: 370060

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 98.1 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 28.2 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.8 %  
Chronic pulmonary disease..... 14.1 %  
Cerebrovascular degeneration..... 5.6 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 61.8%  
State ..... 36.6%  
Outside State ..... 1.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 40  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 0.9601

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... Yes  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# PERRY MEMORIAL HOSPITAL

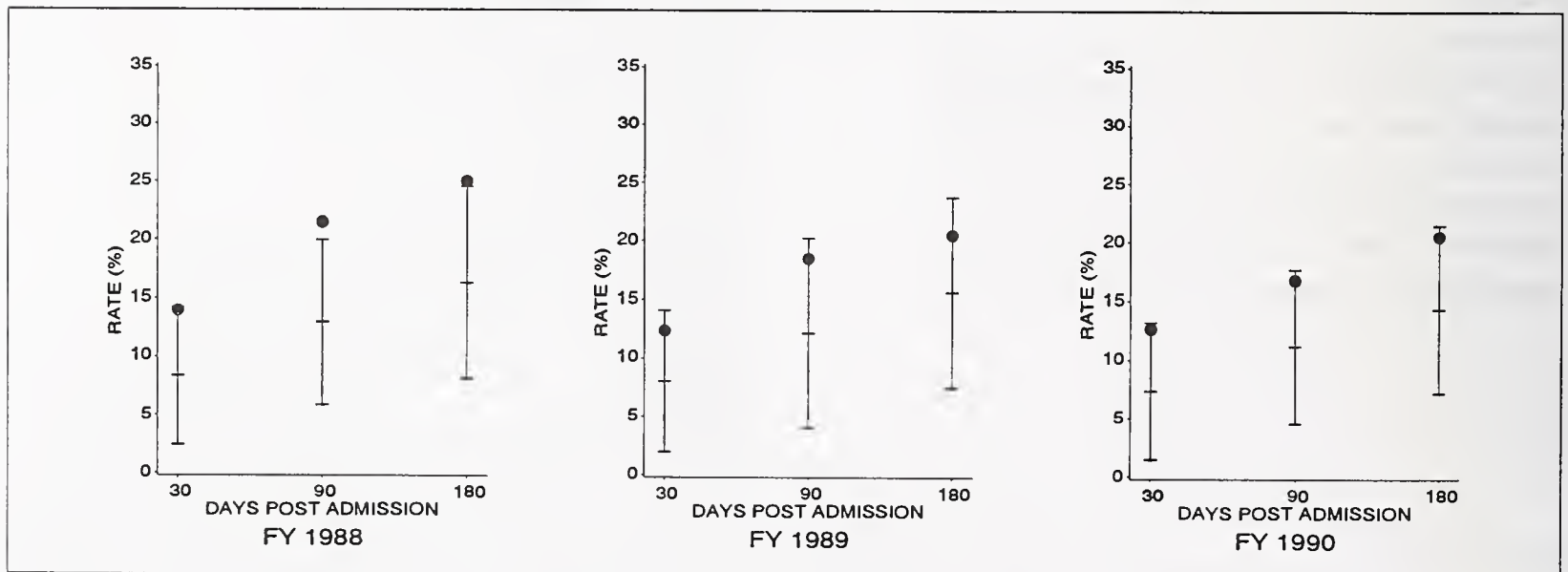
501 14TH ST  
PERRY, OK 73077  
Medicare Provider Number: 370139

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 190             | 12.6                | 7.3  | 2.9   | 16.8    | 11.1 | 3.3   | 20.5     | 14.3 | 3.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 30.6 | ----- | 57.1    | 33.8 | ----- | 57.1     | 37.2 | ----- |
| Congestive Heart Failure.....              | 12              | 33.3                | 13.2 | ----- | 33.3    | 21.2 | ----- | 41.7     | 27.9 | ----- |
| Pneumonia/Influenza.....                   | 15              | 13.3                | 9.1  | ----- | 33.3    | 12.7 | ----- | 40.0     | 15.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 6.4  | ----- | 14.3    | 11.4 | ----- | 14.3     | 15.0 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.4  | ----- | 0.0     | 3.3  | ----- | 0.0      | 5.7  | ----- |
| Stroke.....                                | 8               | 37.5                | 17.4 | ----- | 37.5    | 24.0 | ----- | 37.5     | 28.4 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 0.0                 | 28.6 | ----- | 50.0    | 33.2 | ----- | 50.0     | 37.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3               | 0.0                 | 0.6  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.9  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PERRY MEMORIAL HOSPITAL

Medicare Provider Number: 370139

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.3 years  
Proportion female..... 65.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 76.8 %  
Admitted for emergency..... 18.4 %

### COMORBIDITIES:

Cancer..... 3.2 %  
Chronic cardiovascular disease..... 34.7 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 10.0 %  
Cerebrovascular degeneration..... 1.1 %  
Diabetes mellitus..... 7.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 86.3%  
State ..... 11.8%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 28  
Occupancy Rate ..... 39.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 42.1 %  
Case Mix Index (CMI) ..... 0.9648

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists ..... 50.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PHS INDIAN HOSPITAL

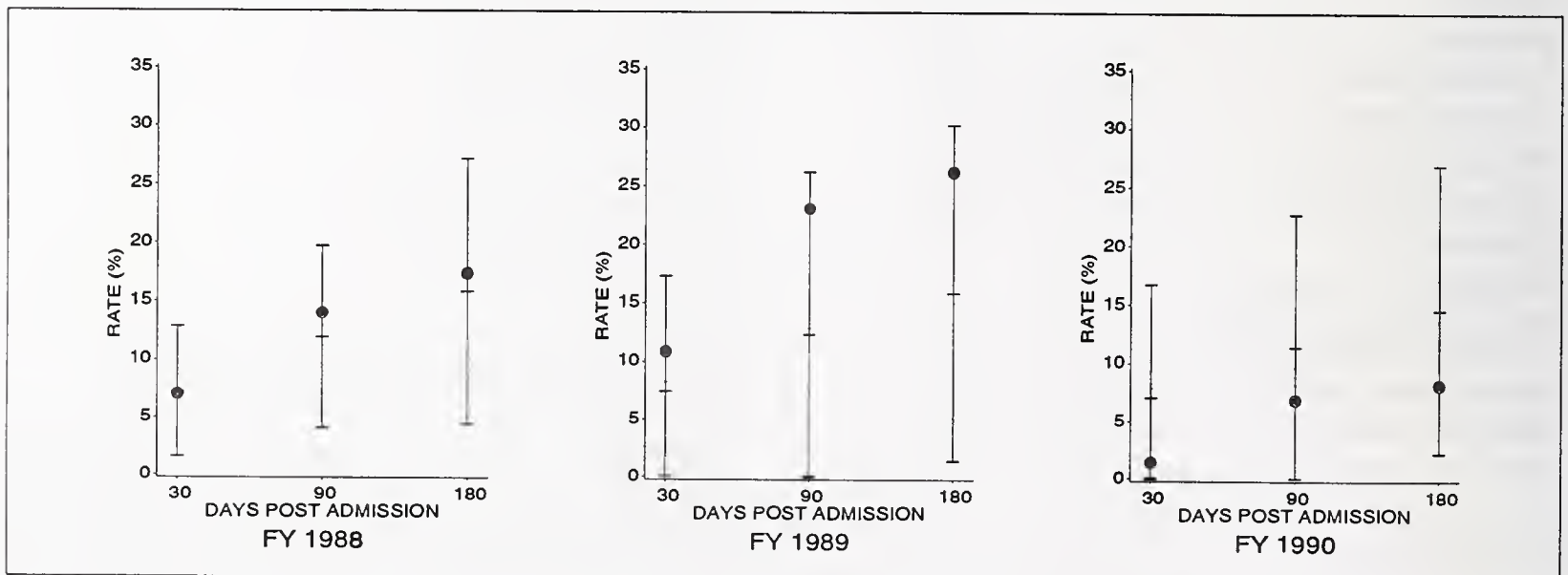
LAWTON, OK 73501  
Medicare Provider Number: 370170

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 74              | 1.4                 | 7.0  | 4.9   | 6.8     | 11.3 | 5.7   | 8.1      | 14.5 | 6.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 0.0                 | 22.3 | ----- | 0.0     | 25.5 | ----- | 0.0      | 27.4 | ----- |
| Congestive Heart Failure.....              | 3               | 0.0                 | 16.2 | ----- | 0.0     | 26.7 | ----- | 0.0      | 34.0 | ----- |
| Pneumonia/Influenza.....                   | 2               | 0.0                 | 7.6  | ----- | 0.0     | 10.1 | ----- | 0.0      | 12.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.2  | ----- | 0.0     | 9.8  | ----- | 0.0      | 12.9 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 4               | 0.0                 | 9.3  | ----- | 0.0     | 12.0 | ----- | 0.0      | 14.1 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





**PHS INDIAN HOSPITAL**  
Medicare Provider Number: 370170

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 72.4 years  
Proportion female..... 60.8 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 100.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.4 %  
Admitted for emergency..... 24.3 %

**COMORBIDITIES:**

Cancer..... 4.1 %  
Chronic cardiovascular disease..... 18.9 %  
Chronic liver disease..... 2.7 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 5.4 %  
Cerebrovascular degeneration..... 6.8 %  
Diabetes mellitus..... 4.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 39.1 %  
State ..... 60.0 %  
Outside State ..... 0.9 %  
Total ..... 100.0 %

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 7.7 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 42  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges ..... 8.8 %  
Case Mix Index (CMI) ..... 0.9769

**STAFFING:**

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 34  
Licensed Practical Nurses ..... 16

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

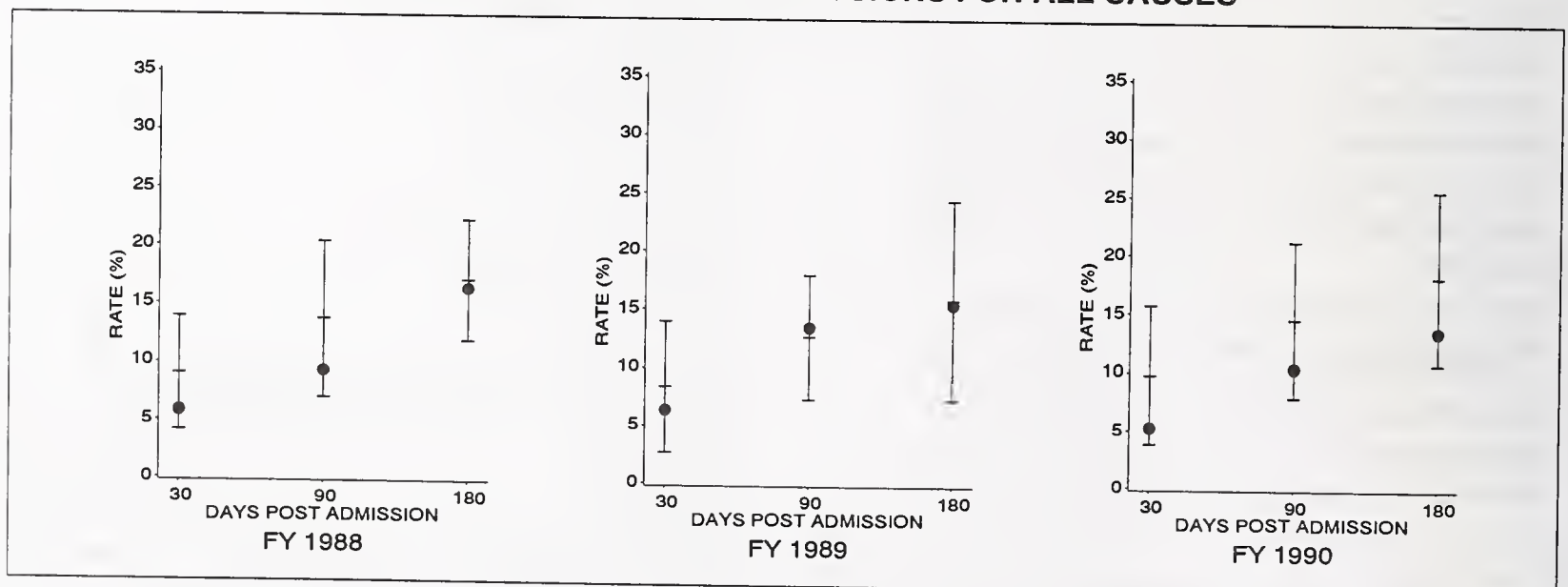
**PHS INDIAN HOSPITAL**  
 101 SOUTH MOORE AVE  
 CLAREMORE, OK 74017  
 Medicare Provider Number: 370173

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 232                | 5.2                 | 9.7  | 3.0   | 10.3    | 14.5 | 3.4   | 13.4     | 18.1 | 3.7   |
| <b>CONDITIONS:</b>                         |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9                  | 33.3                | 45.0 | ----- | 33.3    | 47.5 | ----- | 66.7     | 50.4 | ----- |
| Congestive Heart Failure.....              | 10                 | 10.0                | 12.3 | ----- | 20.0    | 19.9 | ----- | 20.0     | 26.1 | ----- |
| Pneumonia/Influenza.....                   | 12                 | 16.7                | 13.4 | ----- | 25.0    | 18.6 | ----- | 33.3     | 21.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 9.7  | ----- | 0.0     | 15.1 | ----- | 0.0      | 19.3 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.2  | ----- |
| Stroke.....                                | 8                  | 12.5                | 23.1 | ----- | 12.5    | 29.9 | ----- | 12.5     | 34.8 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 15.1 | ----- | 0.0     | 18.8 | ----- | 0.0      | 22.6 | ----- |
| <b>PROCEDURES:</b>                         |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.6  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.5  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**PHS INDIAN HOSPITAL**  
Medicare Provider Number: 370173

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 71.6 years  
Proportion female..... 56.0 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 2.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 9.5 %  
Admitted for emergency..... 61.2 %

**COMORBIDITIES:**

Cancer..... 6.9 %  
Chronic cardiovascular disease..... 36.6 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 4.7 %  
Chronic pulmonary disease..... 10.3 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 25.9 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 15.9%  
State ..... 82.6%  
Outside State ..... 1.5%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 6.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 50  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges ..... 14.6 %  
Case Mix Index (CMI) ..... 1.0793

**STAFFING:**

Total Number of Physicians..... 25  
Percent of Physicians Board  
Certified Specialists ..... 48.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 65  
Licensed Practical Nurses ..... 17

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# PRAGUE MUNICIPAL HOSPITAL

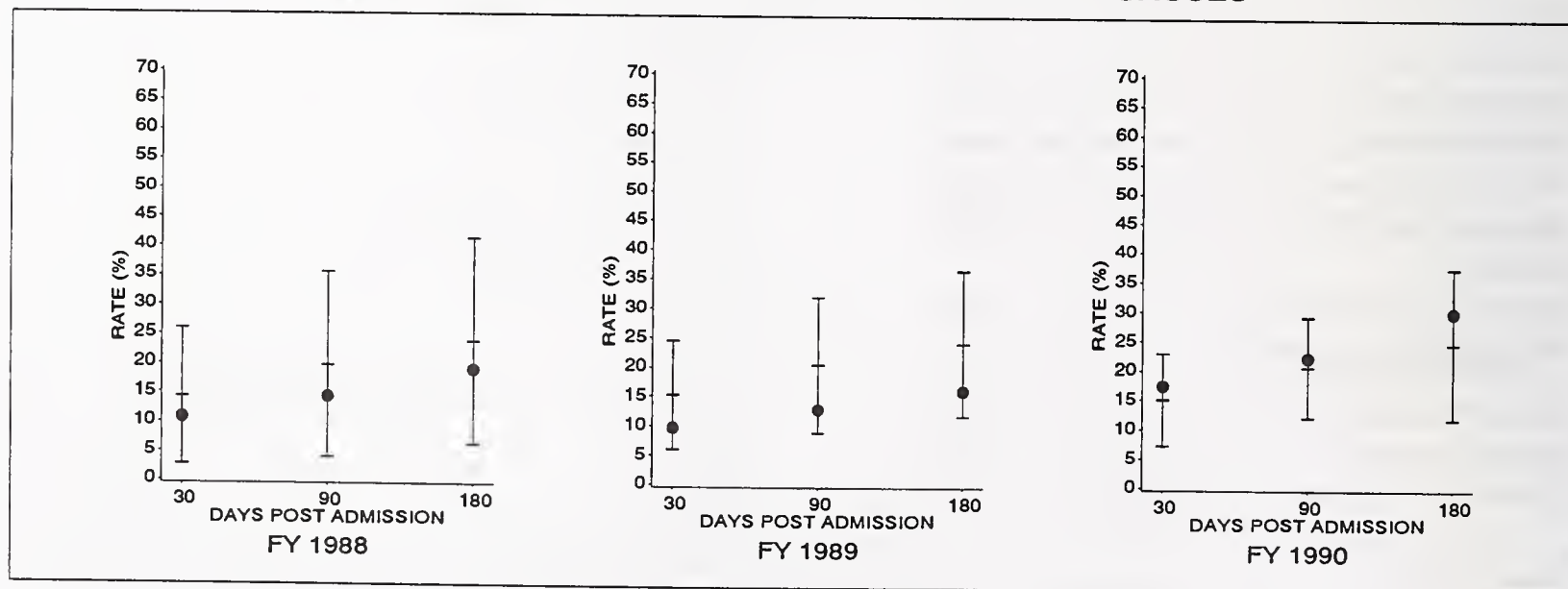
1322 A AVENUE, DRAWER S  
PRAGUE, OK 74864  
Medicare Provider Number: 370126

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 104             | 17.3                | 15.0 | 4.0   | 22.1    | 20.5 | 4.3   | 29.8     | 24.5 | 6.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 16.7                | 32.4 | ----- | 16.7    | 35.2 | ----- | 16.7     | 38.5 | ----- |
| Congestive Heart Failure.....              | 3               | 0.0                 | 9.4  | ----- | 0.0     | 14.7 | ----- | 33.3     | 20.7 | ----- |
| Pneumonia/Influenza.....                   | 8               | 12.5                | 21.4 | ----- | 12.5    | 27.7 | ----- | 25.0     | 33.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 3.9  | ----- | 0.0     | 7.8  | ----- | 0.0      | 12.3 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.0  | ----- | 33.3    | 2.6  | ----- | 33.3     | 4.5  | ----- |
| Stroke.....                                | 7               | 42.9                | 18.3 | ----- | 42.9    | 24.6 | ----- | 57.1     | 29.0 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 8               | 50.0                | 28.3 | ----- | 50.0    | 37.1 | ----- | 62.5     | 41.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PRAGUE MUNICIPAL HOSPITAL

Medicare Provider Number: 370126

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.3 years  
Proportion female..... 63.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 21.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 98.1 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 30.8 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 9.6 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 8.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 67.2%  
State ..... 31.0%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 31  
Occupancy Rate ..... 12.9 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 53.4 %  
Case Mix Index (CMI) ..... 1.1630

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 7  
Licensed Practical Nurses ..... 6

\*\* Except for CMI

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\* Not used in calculating mortality rates

# PURCELL MUNICIPAL HOSPITAL

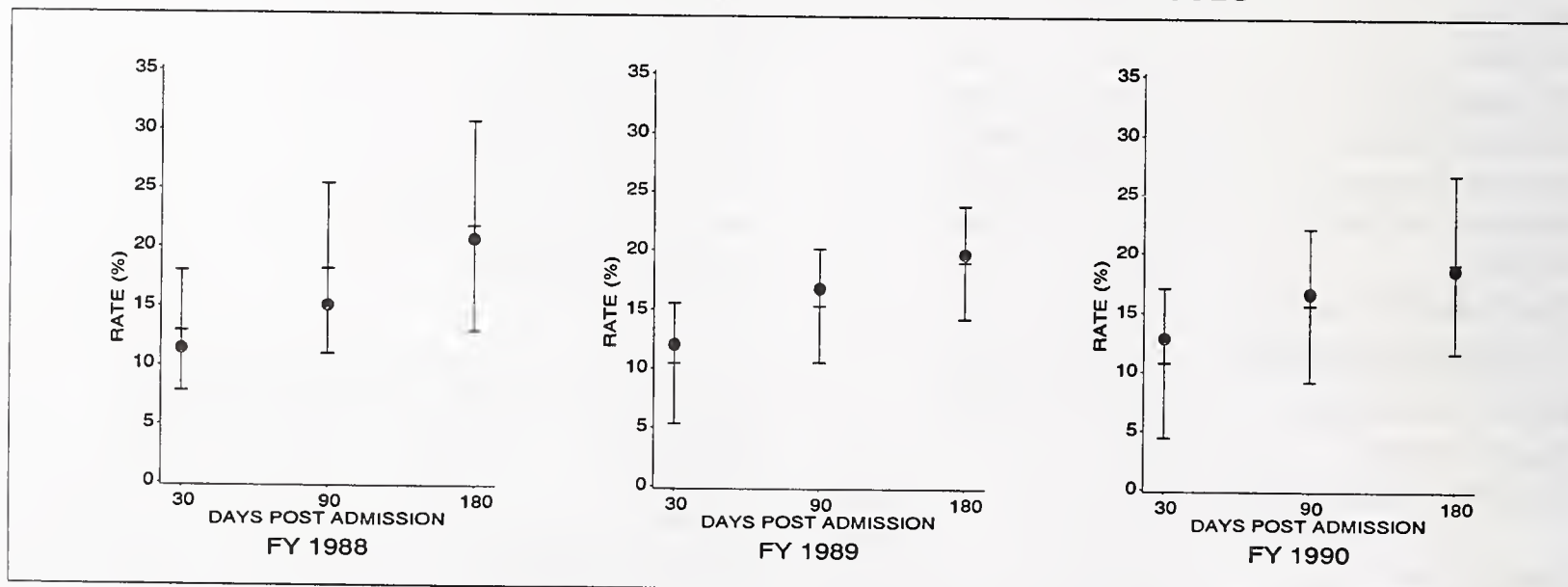
1500 N GREEN AVE  
PURCELL, OK 73080  
Medicare Provider Number: 370158

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 392                | 12.8                | 10.7 | 3.2   | 16.6    | 15.6 | 3.2   | 18.6     | 19.1 | 3.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 62.5                | 30.1 | ----- | 75.0    | 33.3 | ----- | 75.0     | 36.6 | ----- |
| Congestive Heart Failure.....              | 31                 | 16.1                | 14.2 | ----- | 19.4    | 22.1 | ----- | 22.6     | 28.9 | ----- |
| Pneumonia/Influenza.....                   | 48                 | 12.5                | 15.2 | ----- | 18.7    | 21.1 | ----- | 22.9     | 24.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 14.3                | 5.4  | ----- | 14.3    | 10.2 | ----- | 14.3     | 14.8 | ----- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 5.9  | ----- |
| Stroke.....                                | 18                 | 27.8                | 18.7 | ----- | 27.8    | 24.2 | ----- | 27.8     | 28.0 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 12.5 | ----- | 0.0     | 18.7 | ----- | 100.0    | 23.9 | ----- |
| Sepsis.....                                | 5                  | 40.0                | 31.6 | ----- | 40.0    | 40.6 | ----- | 40.0     | 45.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.9  | ----- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.9  | ----- | 0.0     | 3.7  | ----- | 0.0      | 5.0  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PURCELL MUNICIPAL HOSPITAL

Medicare Provider Number: 370158

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.8 years  
Proportion female..... 63.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 50.0 %  
Admitted for emergency..... 45.7 %

### COMORBIDITIES:

Cancer..... 2.8 %  
Chronic cardiovascular disease..... 43.1 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 12.8 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 7.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 52.0%  
State ..... 45.6%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 42  
Occupancy Rate ..... 33.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 60.7 %  
Case Mix Index (CMI) ..... 1.0367

### STAFFING:

Total Number of Physicians..... 6  
Percent of Physicians Board  
Certified Specialists..... 83.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PUSHMATAHA HOSPITAL

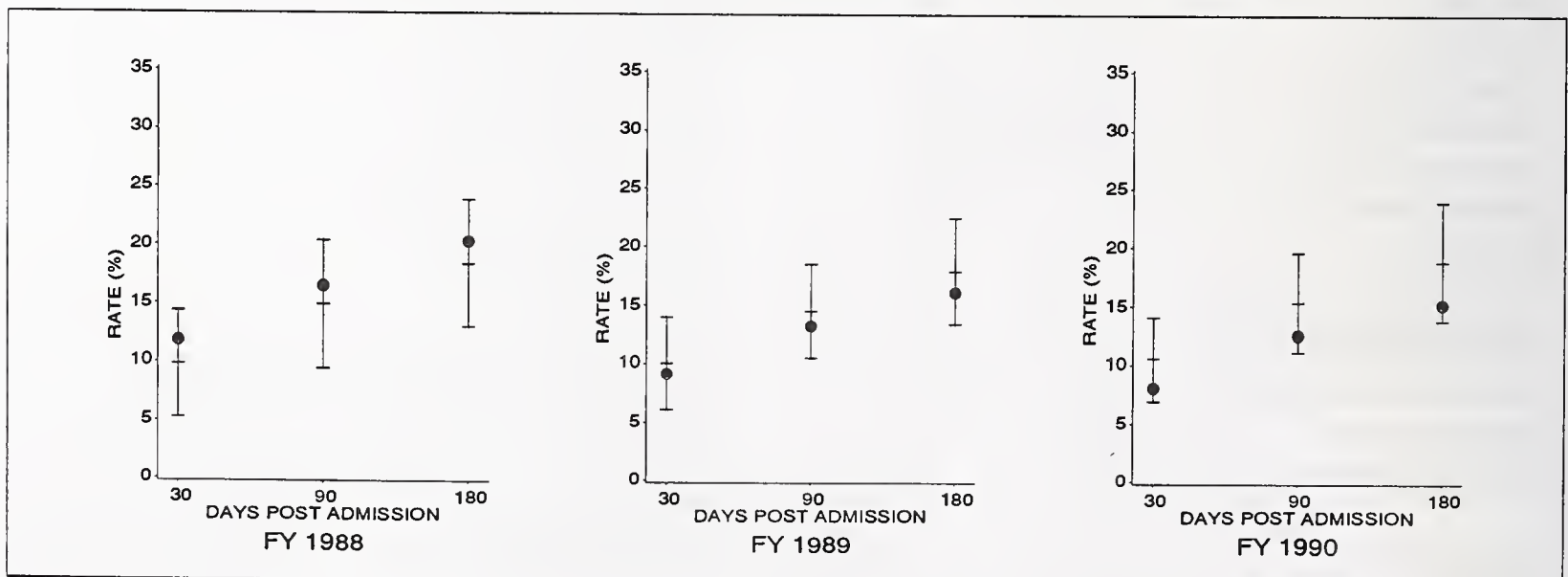
501 E MAIN ST, BOX G  
ANTLERS, OK 74523  
Medicare Provider Number: 370083

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 425                | 8.0                 | 10.5 | 1.8   | 12.5    | 15.3 | 2.1   | 15.1     | 18.8 | 2.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13                 | 46.2                | 27.9 | ----- | 46.2    | 30.3 | ----- | 46.2     | 32.6 | ----- |
| Congestive Heart Failure.....              | 20                 | 5.0                 | 17.7 | ----- | 10.0    | 26.9 | ----- | 10.0     | 33.4 | ----- |
| Pneumonia/Influenza.....                   | 32                 | 6.3                 | 13.9 | ----- | 15.6    | 19.5 | ----- | 18.8     | 23.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 23                 | 0.0                 | 8.2  | ----- | 0.0     | 15.4 | ----- | 13.0     | 20.8 | ----- |
| Transient Cerebral Ischemia.....           | 15                 | 20.0                | 2.5  | ----- | 26.7    | 5.3  | ----- | 26.7     | 8.2  | ----- |
| Stroke.....                                | 19                 | 21.1                | 22.9 | ----- | 21.1    | 30.4 | ----- | 21.1     | 34.7 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 3.6  | ----- | 0.0     | 6.4  | ----- | 0.0      | 9.4  | ----- |
| Sepsis.....                                | 4                  | 0.0                 | 19.3 | ----- | 0.0     | 26.9 | ----- | 0.0      | 32.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 12                 | 0.0                 | 2.6  | ----- | 0.0     | 4.5  | ----- | 0.0      | 5.4  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PUSHMATAHA HOSPITAL

Medicare Provider Number: 370083

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 2.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.2 %  
Admitted for emergency..... 39.3 %

### COMORBIDITIES:

Cancer..... 5.2 %  
Chronic cardiovascular disease..... 33.4 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 5.2 %  
Chronic pulmonary disease..... 15.5 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 6.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.5%  
State ..... 21.6%  
Outside State ..... 1.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 48  
Occupancy Rate ..... 43.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 41.7 %  
Case Mix Index (CMI) ..... 1.0004

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 15  
Licensed Practical Nurses..... 24

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# ROGER MILLS MEMORIAL HOSPITAL

501 SOUTH L L MALES AVE, BOX 219

CHEYENNE, OK 73628

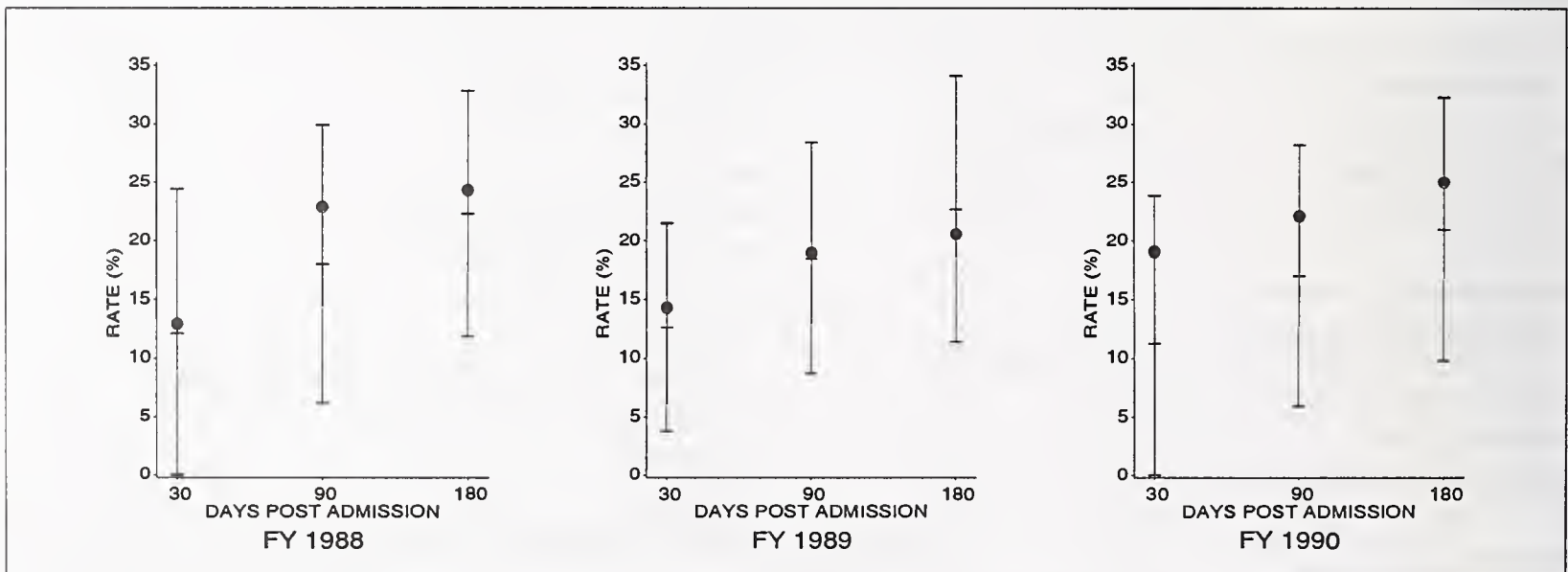
Medicare Provider Number: 370131

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 68                 | 19.1                | 11.2 | 6.3   | 22.1    | 17.0 | 5.6   | 25.0     | 21.0 | 5.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 30.6 | ----- | 0.0     | 35.8 | ----- | 0.0      | 42.8 | ----- |
| Congestive Heart Failure.....              | 8                  | 0.0                 | 13.6 | ----- | 0.0     | 20.9 | ----- | 0.0      | 26.0 | ----- |
| Pneumonia/Influenza.....                   | 8                  | 25.0                | 10.2 | ----- | 25.0    | 15.0 | ----- | 37.5     | 18.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 8.9  | ----- | 0.0     | 15.3 | ----- | 0.0      | 22.2 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.0  | ----- | 0.0     | 2.8  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 4                  | 0.0                 | 12.7 | ----- | 0.0     | 18.7 | ----- | 25.0     | 23.3 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ROGER MILLS MEMORIAL HOSPITAL

Medicare Provider Number: 370131

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.0 years  
Proportion female..... 60.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 77.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 4.4 %  
Admitted for emergency..... 1.5 %

### COMORBIDITIES:

Cancer..... 5.9 %  
Chronic cardiovascular disease..... 29.4 %  
Chronic liver disease..... 1.5 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 17.6 %  
Cerebrovascular degeneration..... 13.2 %  
Diabetes mellitus..... 11.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 91.6%  
State..... 4.2%  
Outside State..... 4.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.0 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 15  
Occupancy Rate..... 13.3 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 60.9 %  
Case Mix Index (CMI)..... 0.9743

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 4  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SAYRE MEMORIAL HOSPITAL

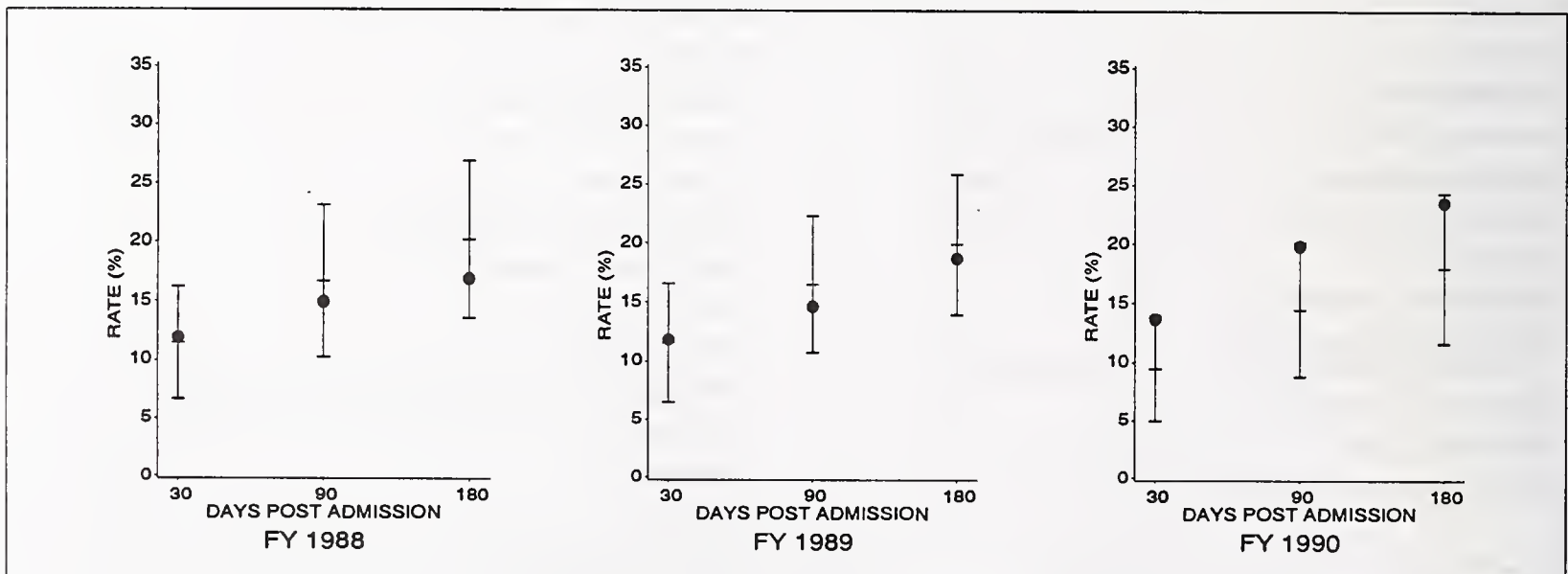
501 E WASHINGTON, BOX 680  
SAYRE, OK 73662  
Medicare Provider Number: 370103

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 323             | 13.6                | 9.4  | 2.2   | 19.8    | 14.4 | 2.9   | 23.5     | 17.9 | 3.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 9               | 44.4                | 28.3 | ----- | 55.6    | 31.7 | ----- | 55.6     | 35.5 | ----- |
| Congestive Heart Failure.....              | 13              | 23.1                | 13.4 | ----- | 23.1    | 21.4 | ----- | 23.1     | 27.7 | ----- |
| Pneumonia/Influenza.....                   | 17              | 11.8                | 7.7  | ----- | 11.8    | 11.0 | ----- | 11.8     | 13.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 9.2  | ----- | 0.0     | 17.3 | ----- | 0.0      | 24.3 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 1.6  | ----- | 6.3     | 3.8  | ----- | 6.3      | 6.3  | ----- |
| Stroke.....                                | 15              | 33.3                | 15.7 | ----- | 33.3    | 21.9 | ----- | 40.0     | 26.0 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 6               | 33.3                | 20.3 | ----- | 50.0    | 26.6 | ----- | 50.0     | 29.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 5               | 0.0                 | 0.5  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.4  | ----- |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SAYRE MEMORIAL HOSPITAL

Medicare Provider Number: 370103

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.2 years  
Proportion female..... 61.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 1.2 %

### COMORBIDITIES:

Cancer..... 3.1 %  
Chronic cardiovascular disease..... 26.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 5.9 %  
Cerebrovascular degeneration..... 1.5 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 84.5%  
State ..... 13.4%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 46  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.9635

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 8

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

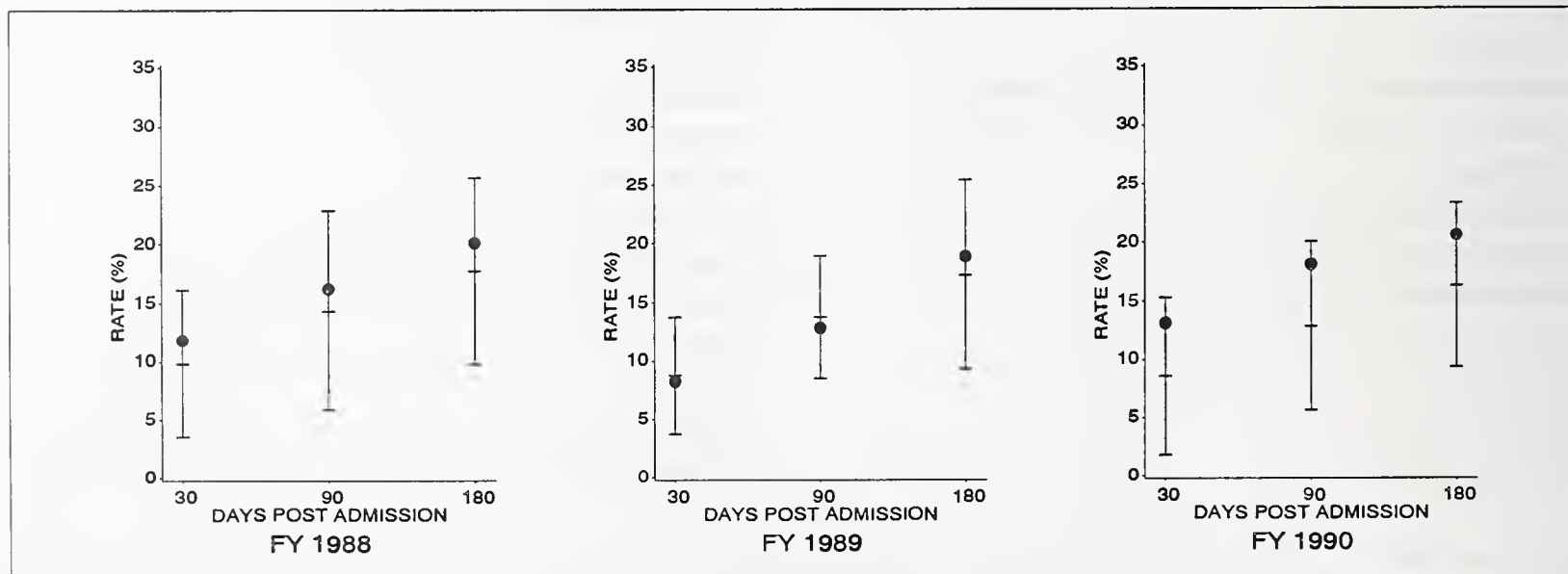
**SEILING HOSPITAL**  
 US HWYS 60 AND 270, BOX 720  
 SEILING, OK 73663  
 Medicare Provider Number: 370177

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 160                | 13.1                | 8.5  | 3.4   | 18.1    | 12.8 | 3.6   | 20.6     | 16.3 | 3.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7                  | 28.6                | 25.4 | ----- | 28.6    | 28.9 | ----- | 28.6     | 32.5 | ----- |
| Congestive Heart Failure.....              | 8                  | 37.5                | 11.9 | ----- | 50.0    | 19.5 | ----- | 50.0     | 25.0 | ----- |
| Pneumonia/Influenza.....                   | 12                 | 0.0                 | 13.7 | ----- | 8.3     | 19.0 | ----- | 16.7     | 23.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 4.3  | ----- | 0.0     | 7.9  | ----- | 0.0      | 10.6 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.0  | ----- | 50.0    | 2.6  | ----- | 50.0     | 4.3  | ----- |
| Stroke.....                                | 11                 | 36.4                | 21.6 | ----- | 36.4    | 28.8 | ----- | 36.4     | 33.1 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 14.4 | ----- | 0.0     | 20.1 | ----- | 0.0      | 22.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 0.0                 | 1.1  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.3  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# SEILING HOSPITAL

Medicare Provider Number: 370177

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.1 years  
Proportion female..... 60.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 96.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 33.1 %

### COMORBIDITIES:

Cancer..... 2.5 %  
Chronic cardiovascular disease..... 25.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 9.4 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 8.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 70.4%  
State ..... 26.6%  
Outside State ..... 3.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 19  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 58.2 %  
Case Mix Index (CMI) ..... 0.9368

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# SEMINOLE MUNICIPAL HOSPITAL

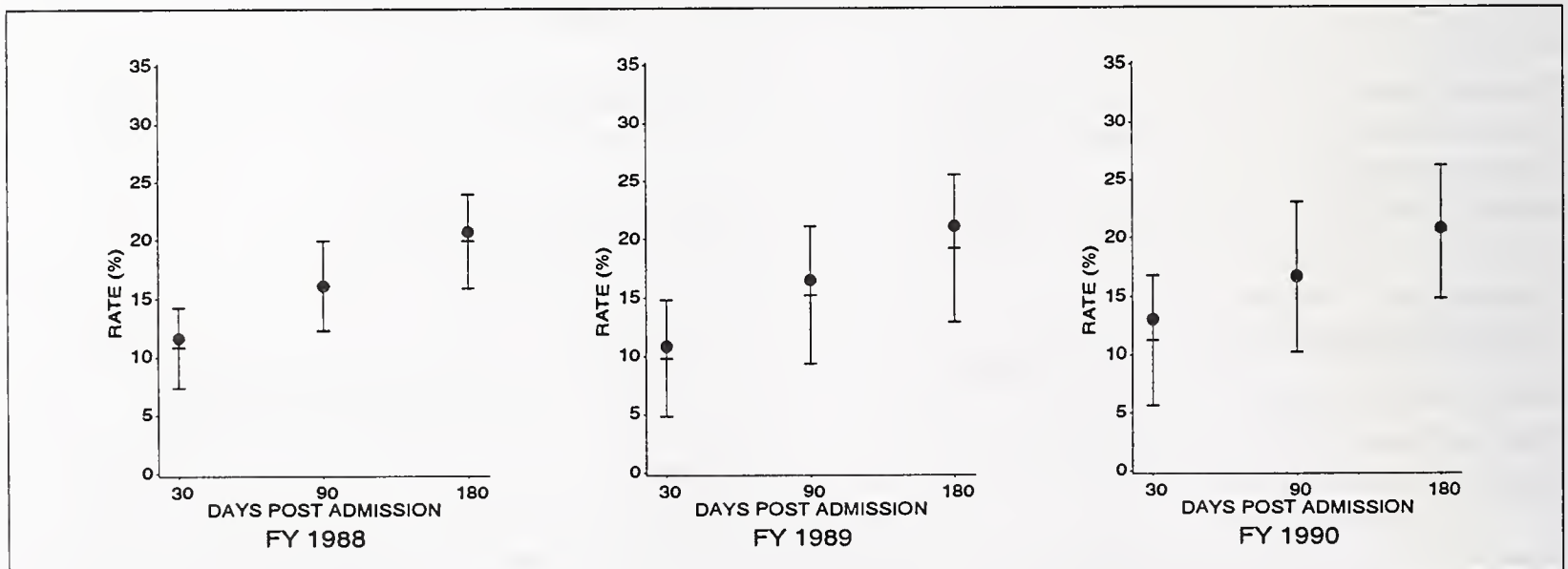
606 W EVANS ST, BOX 2130  
SEMINOLE, OK 74818  
Medicare Provider Number: 370017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 414             | 13.0                | 11.2 | 2.8   | 16.7    | 16.6 | 3.2   | 20.8     | 20.5 | 2.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 25.0                | 25.7 | ----- | 25.0    | 28.4 | ----- | 25.0     | 31.5 | ----- |
| Congestive Heart Failure.....              | 32              | 25.0                | 16.0 | ----- | 25.0    | 24.6 | ----- | 25.0     | 31.3 | ----- |
| Pneumonia/Influenza.....                   | 19              | 21.1                | 14.6 | ----- | 21.1    | 20.2 | ----- | 26.3     | 23.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 6.3                 | 9.5  | ----- | 6.3     | 16.9 | ----- | 6.3      | 21.9 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.4  | ----- | 0.0     | 3.1  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 14              | 50.0                | 27.3 | ----- | 50.0    | 34.5 | ----- | 64.3     | 38.9 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 10              | 70.0                | 27.8 | ----- | 80.0    | 35.9 | ----- | 80.0     | 41.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.8  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.4  | ----- |
| Hysterectomy.....                          | 2               | 50.0                | 0.2  | ----- | 50.0    | 0.4  | ----- | 50.0     | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SEMINOLE MUNICIPAL HOSPITAL

Medicare Provider Number: 370017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 63.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 33.6 %

### COMORBIDITIES:

Cancer..... 6.3 %  
Chronic cardiovascular disease..... 44.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 15.2 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 15.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.0%  
State..... 11.4%  
Outside State..... 1.6%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.0 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 39  
Occupancy Rate..... 43.0 %  
Ownership/Control..... Local Government  
Medicare Discharges..... 47.4 %  
Case Mix Index (CMI)..... 1.0030

### STAFFING:

Total Number of Physicians..... 50  
Percent of Physicians Board  
Certified Specialists..... 42.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses..... 12

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SEQUOYAH MEMORIAL HOSPITAL

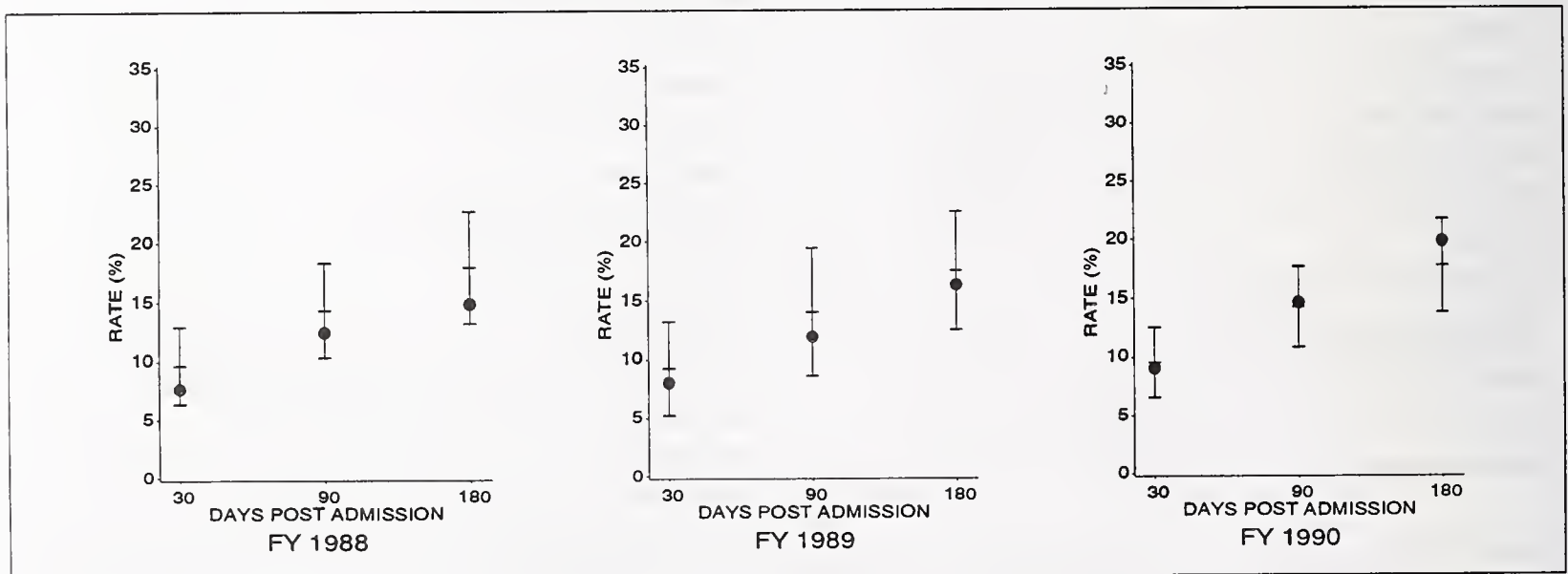
213 E REDWOOD  
SALLISAW, OK 74955  
Medicare Provider Number: 370112

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 501                | 9.0                 | 9.5  | 1.5   | 14.6    | 14.2 | 1.7   | 19.8     | 17.7 | 2.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17                 | 41.2                | 28.5 | ----- | 41.2    | 31.1 | ----- | 41.2     | 34.1 | ----- |
| Congestive Heart Failure.....              | 32                 | 12.5                | 13.9 | ----- | 21.9    | 22.4 | ----- | 28.1     | 28.7 | ----- |
| Pneumonia/Influenza.....                   | 45                 | 6.7                 | 14.7 | ----- | 8.9     | 20.4 | ----- | 15.6     | 24.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12                 | 0.0                 | 11.9 | ----- | 16.7    | 20.4 | ----- | 25.0     | 25.6 | ----- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 10.0     | 5.9  | ----- |
| Stroke.....                                | 19                 | 42.1                | 23.5 | ----- | 63.2    | 31.5 | ----- | 63.2     | 36.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 71.0 | ----- | 0.0     | 84.5 | ----- | 100.0    | 88.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 15                 | 0.0                 | 1.2  | ----- | 6.7     | 2.6  | ----- | 13.3     | 4.4  | ----- |
| Cholecystectomy.....                       | 7                  | 0.0                 | 1.1  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.5  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SEQUOYAH MEMORIAL HOSPITAL

Medicare Provider Number: 370112

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 60.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.3 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 18.8 %

### COMORBIDITIES:

Cancer..... 4.6 %  
Chronic cardiovascular disease..... 36.7 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 1.4 %  
Chronic pulmonary disease..... 13.8 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.7%  
State..... 9.9%  
Outside State..... 2.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.3 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 50  
Ownership/Control..... Local Government  
Case Mix Index (CMI)..... 0.9664

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 0  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SHARE MEMORIAL HOSPITAL

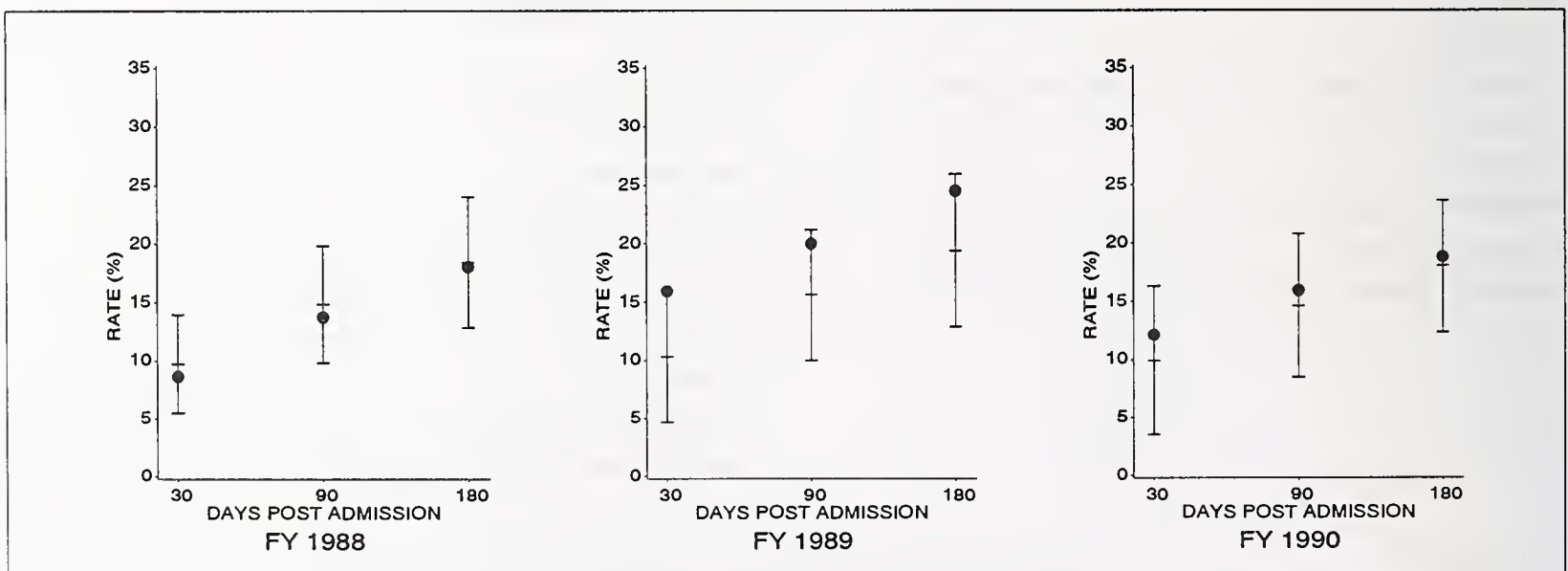
800 SHARE DR  
ALVA, OK 73717  
Medicare Provider Number: 370080

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 239                | 12.1                | 9.9  | 3.2   | 15.9    | 14.6 | 3.1   | 18.8     | 18.0 | 2.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 40.0                | 27.7 | ----- | 40.0    | 30.7 | ----- | 40.0     | 33.6 | ----- |
| Congestive Heart Failure.....              | 18                 | 11.1                | 12.4 | ----- | 27.8    | 20.0 | ----- | 27.8     | 25.9 | ----- |
| Pneumonia/Influenza.....                   | 17                 | 11.8                | 12.9 | ----- | 17.6    | 17.8 | ----- | 17.6     | 21.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 3.6  | ----- | 0.0     | 7.2  | ----- | 0.0      | 10.8 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.2  | ----- |
| Stroke.....                                | 10                 | 20.0                | 16.6 | ----- | 20.0    | 22.5 | ----- | 20.0     | 26.3 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 3.2  | ----- | 0.0     | 5.9  | ----- | 0.0      | 7.7  | ----- |
| Sepsis.....                                | 4                  | 25.0                | 32.8 | ----- | 50.0    | 42.5 | ----- | 50.0     | 46.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.6  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SHARE MEMORIAL HOSPITAL

Medicare Provider Number: 370080

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.1 years  
Proportion female..... 64.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 97.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 18.0 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 34.7 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 12.6 %  
Cerebrovascular degeneration..... 3.3 %  
Diabetes mellitus..... 5.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.4%  
State..... 9.4%  
Outside State..... 2.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.3 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 120  
Occupancy Rate..... 68.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 59.4 %  
Case Mix Index (CMI)..... 0.9427

### STAFFING:

Total Number of Physicians..... 4  
Percent of Physicians Board  
Certified Specialists..... 25.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# SHAWNEE MEDICAL CENTER HOSPITAL

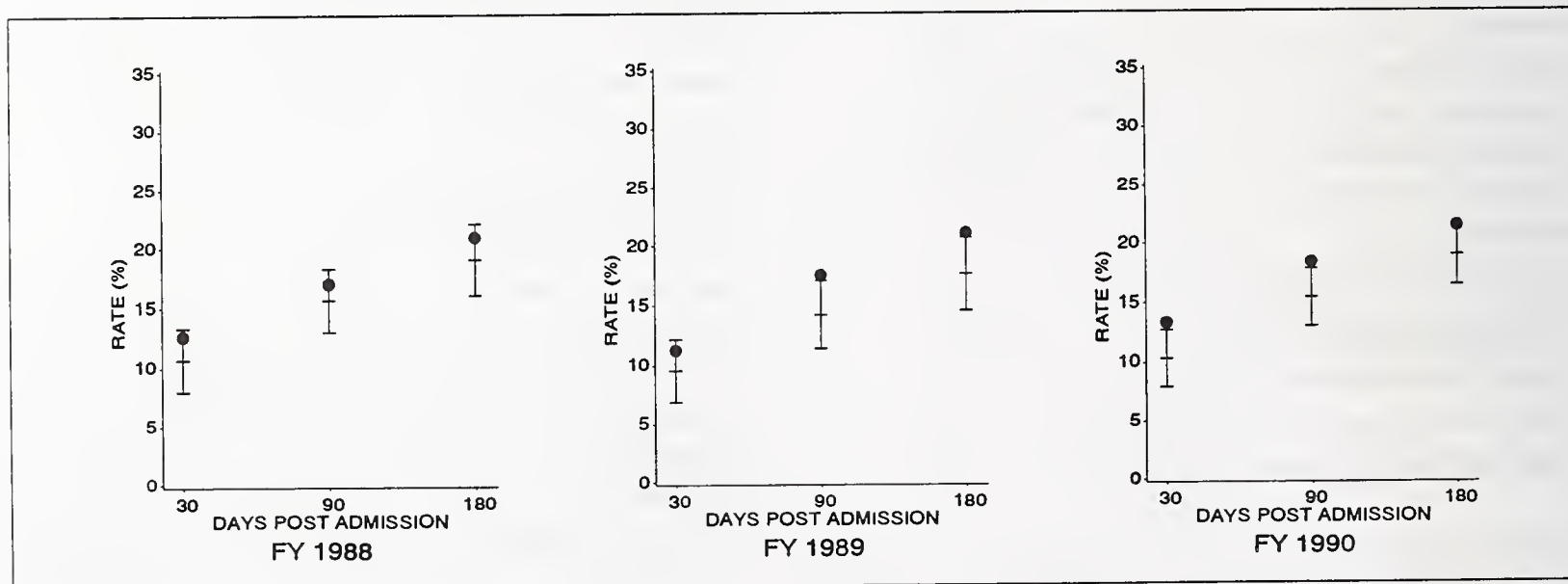
1102 W MACARTHUR, BOX 909  
SHAWNEE, OK 74801  
Medicare Provider Number: 370149

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1004               | 13.3                | 10.3 | 1.2   | 18.4    | 15.4 | 1.2   | 21.5     | 19.0 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 33                 | 33.3                | 28.1 | ----- | 39.4    | 31.0 | ----- | 48.5     | 33.8 | ----- |
| Congestive Heart Failure.....              | 71                 | 23.9                | 15.0 | 5.6   | 26.8    | 23.1 | 6.0   | 33.8     | 29.3 | 6.1   |
| Pneumonia/Influenza.....                   | 51                 | 17.6                | 14.8 | 10.5  | 29.4    | 20.9 | 12.5  | 31.4     | 25.3 | 12.6  |
| Chronic Obstructive Pulmonary Disease..... | 17                 | 29.4                | 5.9  | ----- | 41.2    | 11.0 | ----- | 47.1     | 15.1 | ----- |
| Transient Cerebral Ischemia.....           | 9                  | 0.0                 | 2.2  | ----- | 0.0     | 4.8  | ----- | 0.0      | 7.6  | ----- |
| Stroke.....                                | 53                 | 20.8                | 20.7 | 6.5   | 26.4    | 26.0 | 6.1   | 26.4     | 29.5 | 6.7   |
| Hip Fracture.....                          | 50                 | 4.0                 | 5.7  | ----- | 8.0     | 10.2 | ----- | 10.0     | 13.5 | ----- |
| Sepsis.....                                | 26                 | 38.5                | 26.9 | ----- | 42.3    | 34.8 | ----- | 50.0     | 39.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6                  | 0.0                 | 2.7  | ----- | 0.0     | 5.5  | ----- | 0.0      | 8.3  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 32                 | 0.0                 | 3.6  | ----- | 6.3     | 6.7  | ----- | 6.3      | 8.9  | ----- |
| Open Reduction of Hip Fracture.....        | 16                 | 6.3                 | 4.7  | ----- | 6.3     | 8.8  | ----- | 12.5     | 11.9 | ----- |
| Prostatectomy.....                         | 6                  | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.5  | ----- |
| Cholecystectomy.....                       | 37                 | 2.7                 | 1.8  | ----- | 2.7     | 3.2  | ----- | 5.4      | 4.2  | ----- |
| Hysterectomy.....                          | 11                 | 0.0                 | 0.5  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SHAWNEE MEDICAL CENTER HOSPITAL

Medicare Provider Number: 370149

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.6 years  
Proportion female..... 61.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.8 %  
Chronic cardiovascular disease..... 30.8 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 9.4 %  
Cerebrovascular degeneration..... 7.0 %  
Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 68.3%  
State ..... 29.9%  
Outside State ..... 1.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.8 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 106  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 39.3 %  
Case Mix Index (CMI) ..... 1.1985

### STAFFING:

Total Number of Physicians..... 38  
Percent of Physicians Board  
Certified Specialists..... 81.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 61  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTH COMMUNITY HOSPITAL

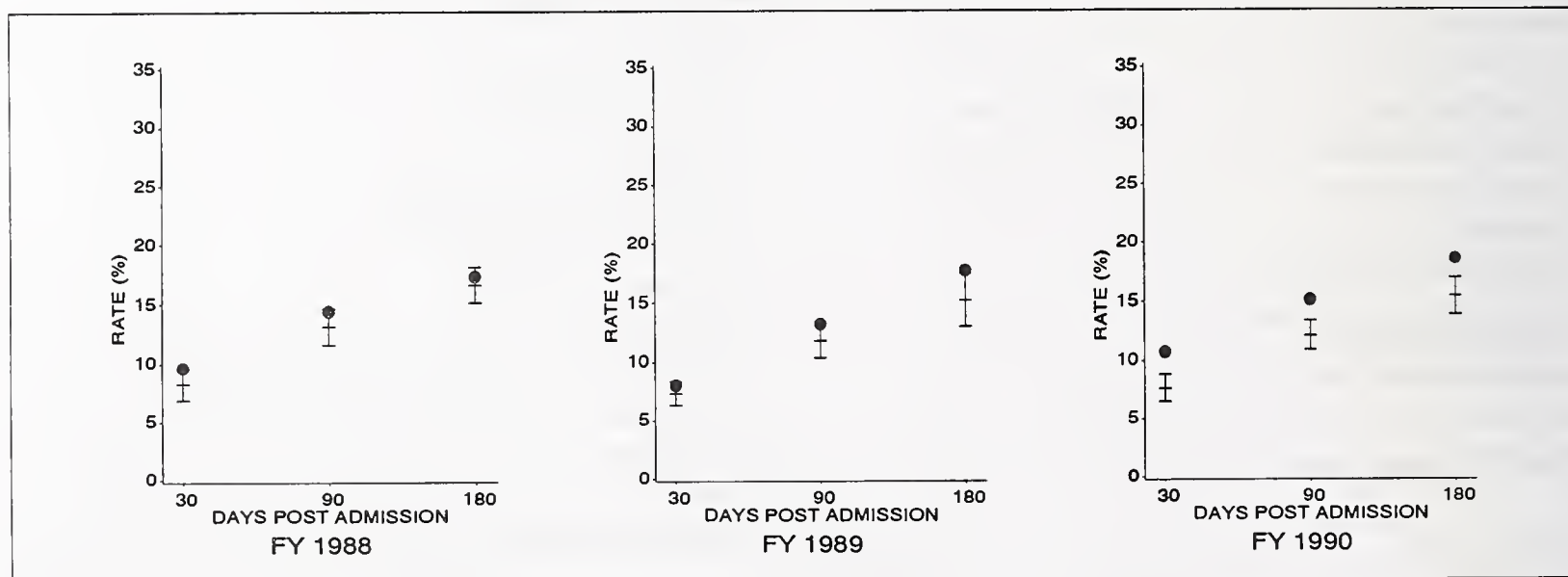
1001 SW 44TH ST  
OKLAHOMA CITY, OK 73109  
Medicare Provider Number: 370106

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3326            | 10.7                | 7.6  | 0.6   | 15.1    | 12.1 | 0.6   | 18.6     | 15.4 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 86              | 29.1                | 23.9 | 10.4  | 32.6    | 26.8 | 10.2  | 36.0     | 29.7 | 9.4   |
| Congestive Heart Failure.....              | 140             | 22.1                | 13.5 | 4.1   | 28.6    | 21.8 | 4.2   | 31.4     | 28.1 | 4.1   |
| Pneumonia/Influenza.....                   | 111             | 17.1                | 13.6 | 5.5   | 22.5    | 19.2 | 5.1   | 26.1     | 23.0 | 5.2   |
| Chronic Obstructive Pulmonary Disease..... | 96              | 13.5                | 7.0  | 4.2   | 18.7    | 12.4 | 5.7   | 22.9     | 16.6 | 5.4   |
| Transient Cerebral Ischemia.....           | 49              | 0.0                 | 1.3  | ----- | 2.0     | 2.9  | ----- | 4.1      | 4.9  | ----- |
| Stroke.....                                | 117             | 23.9                | 18.1 | 6.9   | 29.9    | 23.8 | 7.2   | 34.2     | 27.5 | 6.8   |
| Hip Fracture.....                          | 84              | 4.8                 | 4.6  | 2.6   | 13.1    | 8.5  | 4.9   | 15.5     | 11.5 | 4.0   |
| Sepsis.....                                | 38              | 39.5                | 23.9 | ----- | 42.1    | 31.9 | ----- | 52.6     | 36.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 81              | 7.4                 | 2.9  | 3.7   | 7.4     | 3.8  | 4.0   | 7.4      | 4.6  | 4.8   |
| Coronary Artery Bypass Graft.....          | 76              | 6.6                 | 4.3  | 2.8   | 10.5    | 6.2  | 3.7   | 13.2     | 7.3  | 4.5   |
| Initial Pacemaker Insertion.....           | 31              | 6.5                 | 2.1  | ----- | 6.5     | 4.2  | ----- | 6.5      | 6.3  | ----- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.8  | ----- |
| Hip Replacement/Reconstruction.....        | 62              | 1.6                 | 2.8  | 2.8   | 8.1     | 5.4  | 3.3   | 9.7      | 7.5  | 4.0   |
| Open Reduction of Hip Fracture.....        | 35              | 5.7                 | 4.9  | ----- | 11.4    | 8.9  | ----- | 11.4     | 12.1 | ----- |
| Prostatectomy.....                         | 105             | 1.9                 | 0.9  | 1.1   | 3.8     | 2.2  | 2.3   | 6.7      | 3.7  | 3.4   |
| Cholecystectomy.....                       | 96              | 5.2                 | 2.1  | 1.8   | 6.2     | 3.9  | 2.7   | 11.5     | 5.2  | 3.1   |
| Hysterectomy.....                          | 30              | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 3.3      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# **SOUTH COMMUNITY HOSPITAL**

Medicare Provider Number: 370106

## **FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

### **DEMOGRAPHICS:**

Average age at admission..... 74.4 years  
Proportion female..... 60.7 %

### **ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 96.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 35.1 %  
Admitted for emergency..... 46.0 %

### **COMORBIDITIES:**

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 32.6 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 3.0 %  
Chronic pulmonary disease..... 13.7 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 6.0 %

## **ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

### **ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 72.0%  
State..... 26.1%  
Outside State..... 1.9%  
Total..... 100.0%

### **MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 8.5 Days  
State..... 7.6 Days  
National..... 8.6 Days

## **HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### **PROFILE:**

Total Beds..... 312  
Occupancy Rate..... 77.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... 42.4 %  
Case Mix Index (CMI)..... 1.2997

### **STAFFING:**

Total Number of Physicians..... 216  
Percent of Physicians Board  
Certified Specialists..... 62.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 293  
Licensed Practical Nurses..... 112

### **SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### **OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTH COMMUNITY HOSPITAL-MOORE

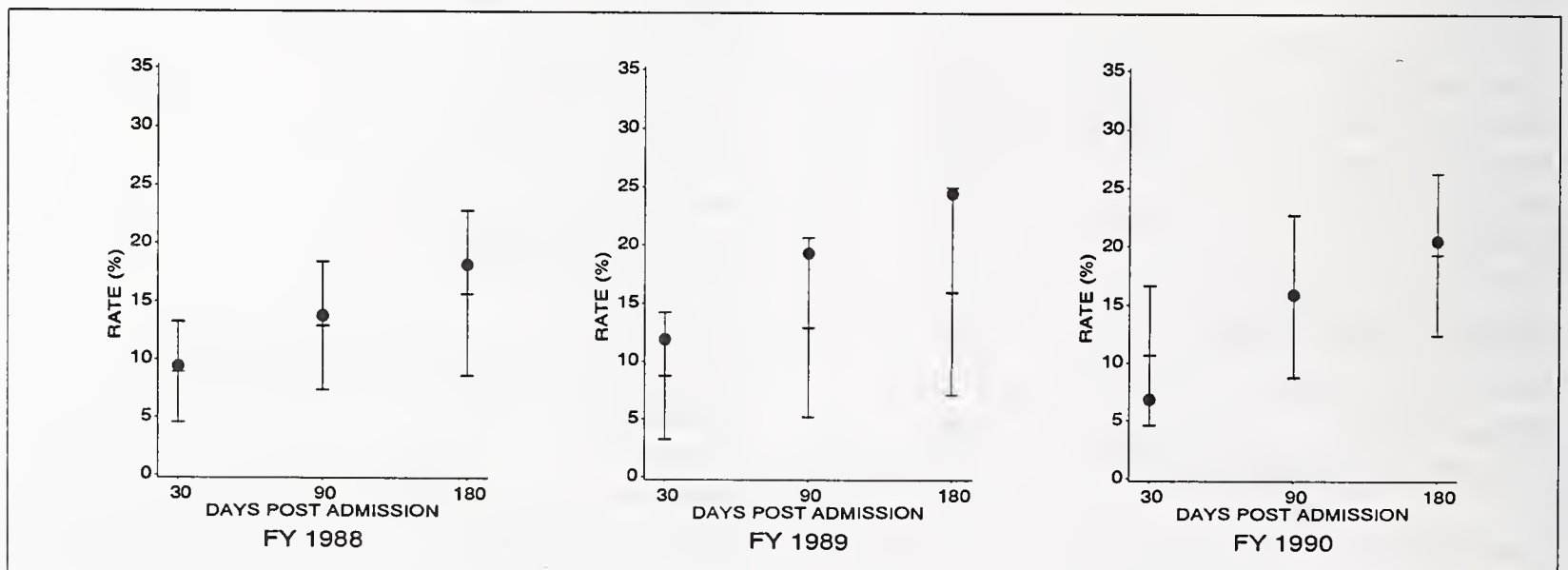
1500 SE 4TH ST, BOX 6949  
MOORE, OK 73153  
Medicare Provider Number: 370161

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 132                | 6.8                 | 10.6 | 3.0   | 15.9    | 15.7 | 3.5   | 20.5     | 19.3 | 3.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 13.5 | ----- | 0.0     | 14.9 | ----- | 0.0      | 17.0 | ----- |
| Congestive Heart Failure.....              | 9                  | 0.0                 | 11.8 | ----- | 11.1    | 19.2 | ----- | 11.1     | 25.4 | ----- |
| Pneumonia/Influenza.....                   | 14                 | 0.0                 | 16.8 | ----- | 14.3    | 23.6 | ----- | 21.4     | 27.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 6.3  | ----- | 0.0     | 10.5 | ----- | 0.0      | 13.3 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.5  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.6  | ----- |
| Stroke.....                                | 3                  | 33.3                | 18.9 | ----- | 33.3    | 25.7 | ----- | 33.3     | 29.7 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 5.5  | ----- | 100.0   | 9.7  | ----- | 100.0    | 13.0 | ----- |
| Sepsis.....                                | 2                  | 0.0                 | 30.7 | ----- | 0.0     | 44.1 | ----- | 0.0      | 51.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1                  | 0.0                 | 4.3  | ----- | 100.0   | 8.1  | ----- | 100.0    | 11.4 | ----- |
| Prostatectomy.....                         | 1                  | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |
| Cholecystectomy.....                       | 3                  | 0.0                 | 2.3  | ----- | 0.0     | 4.0  | ----- | 0.0      | 5.0  | ----- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SOUTH COMMUNITY HOSPITAL-MOORE

Medicare Provider Number: 370161

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.2 years  
Proportion female..... 64.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 26.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 15.2 %  
Admitted for emergency..... 72.7 %

### COMORBIDITIES:

Cancer..... 3.0 %  
Chronic cardiovascular disease..... 26.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 6.8 %  
Chronic pulmonary disease..... 10.6 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 6.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 50.5%  
State ..... 44.8%  
Outside State ..... 4.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 76  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 1.0516

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 35  
Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# SOUTHWESTERN MEDICAL CENTER

5602 SOUTHWEST LEE BLVD, BOX 7290

LAWTON, OK 73506

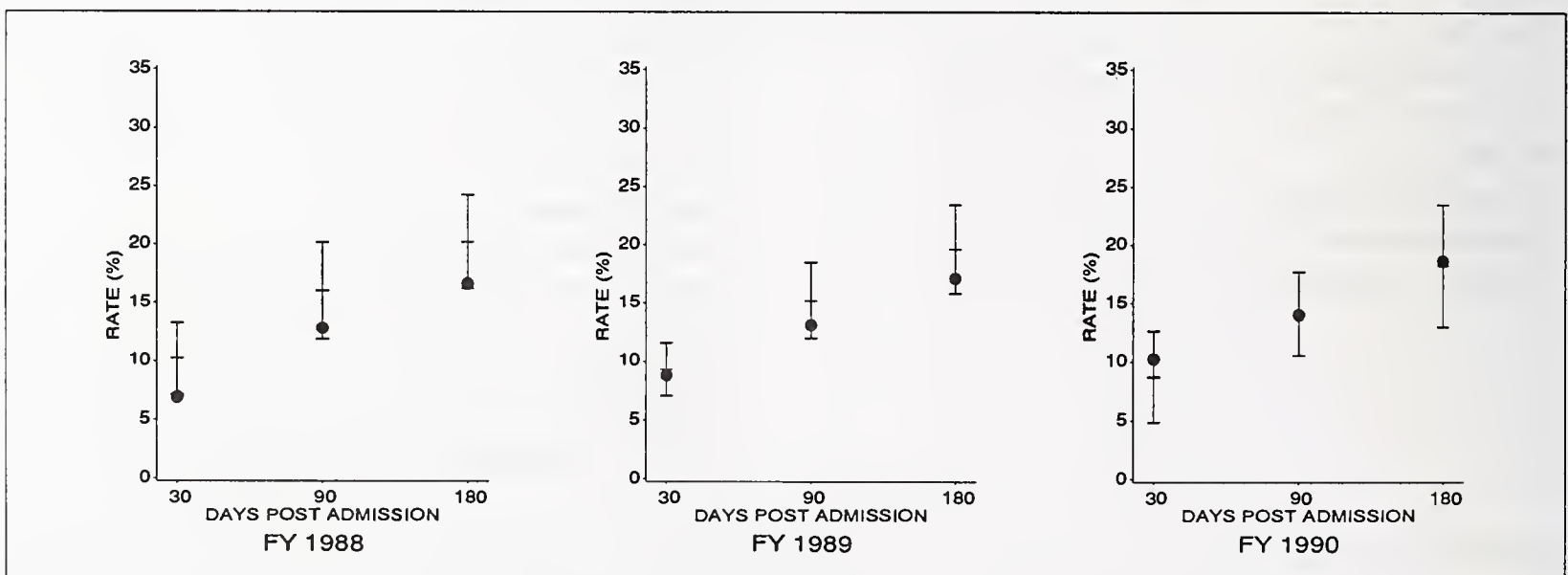
Medicare Provider Number: 370097

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 794                | 10.2                | 8.7  | 1.9   | 14.0    | 14.1 | 1.8   | 18.6     | 18.2 | 2.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26                 | 23.1                | 16.1 | ----- | 26.9    | 19.9 | ----- | 30.8     | 22.7 | ----- |
| Congestive Heart Failure.....              | 31                 | 19.4                | 12.8 | ----- | 25.8    | 20.3 | ----- | 32.3     | 25.9 | ----- |
| Pneumonia/Influenza.....                   | 48                 | 10.4                | 13.1 | ----- | 16.7    | 18.5 | ----- | 20.8     | 22.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 15.4                | 9.7  | ----- | 15.4    | 17.0 | ----- | 23.1     | 22.4 | ----- |
| Transient Cerebral Ischemia.....           | 7                  | 0.0                 | 1.3  | ----- | 0.0     | 3.1  | ----- | 14.3     | 5.2  | ----- |
| Stroke.....                                | 46                 | 19.6                | 15.1 | ----- | 26.1    | 20.3 | ----- | 26.1     | 23.9 | ----- |
| Hip Fracture.....                          | 18                 | 0.0                 | 4.9  | ----- | 0.0     | 9.1  | ----- | 5.6      | 12.3 | ----- |
| Sepsis.....                                | 5                  | 20.0                | 17.6 | ----- | 40.0    | 22.9 | ----- | 40.0     | 26.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 2.7  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.9  | ----- |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 2.6  | ----- | 0.0     | 5.6  | ----- | 0.0      | 8.2  | ----- |
| Open Reduction of Hip Fracture.....        | 7                  | 0.0                 | 4.9  | ----- | 0.0     | 9.2  | ----- | 0.0      | 12.4 | ----- |
| Prostatectomy.....                         | 26                 | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.2  | ----- |
| Cholecystectomy.....                       | 17                 | 0.0                 | 1.7  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.2  | ----- |
| Hysterectomy.....                          | 11                 | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.1  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SOUTHWESTERN MEDICAL CENTER

Medicare Provider Number: 370097

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.4 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 33.8 %  
Admitted for emergency..... 6.7 %

### COMORBIDITIES:

Cancer..... 13.5 %  
Chronic cardiovascular disease..... 32.9 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 28.5 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 7.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 63.5%  
State ..... 34.3%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.2 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 108  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 1.2667

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 77  
Licensed Practical Nurses ..... 81

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTHWESTERN MEMORIAL HOSPITAL

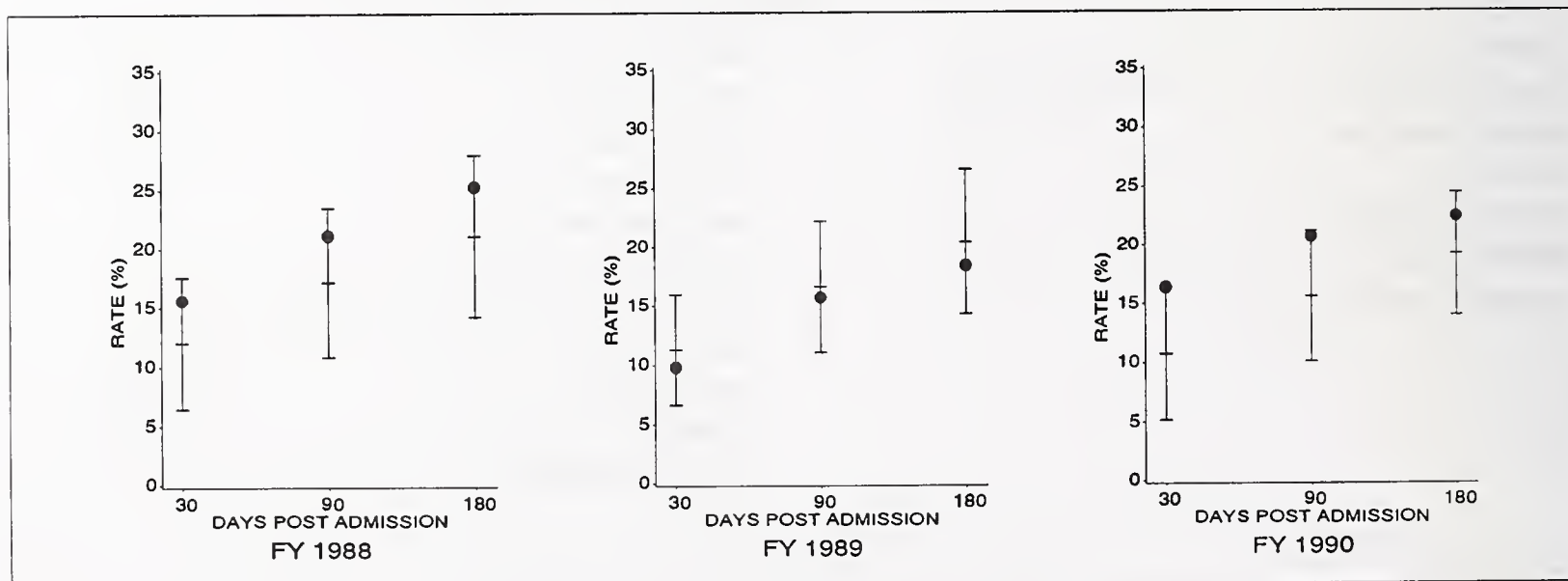
215 N KANSAS  
WEATHERFORD, OK 73096  
Medicare Provider Number: 370092

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 304             | 16.4                | 10.7 | 2.8   | 20.7    | 15.6 | 2.8   | 22.4     | 19.2 | 2.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 17              | 58.8                | 32.5 | ----- | 64.7    | 35.9 | ----- | 64.7     | 39.1 | ----- |
| Congestive Heart Failure.....              | 16              | 25.0                | 15.9 | ----- | 31.3    | 26.6 | ----- | 31.3     | 33.7 | ----- |
| Pneumonia/Influenza.....                   | 36              | 22.2                | 13.7 | ----- | 27.8    | 18.9 | ----- | 30.6     | 22.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 0.0                 | 7.7  | ----- | 0.0     | 14.0 | ----- | 0.0      | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.8  | ----- |
| Stroke.....                                | 15              | 26.7                | 20.9 | ----- | 26.7    | 26.3 | ----- | 33.3     | 30.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2               | 50.0                | 24.8 | ----- | 50.0    | 33.3 | ----- | 50.0     | 38.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 12              | 8.3                 | 0.9  | ----- | 8.3     | 2.3  | ----- | 8.3      | 4.2  | ----- |
| Cholecystectomy.....                       | 10              | 0.0                 | 0.8  | ----- | 0.0     | 1.3  | ----- | 0.0      | 1.8  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 1.7  | ----- | 0.0     | 2.7  | ----- | 0.0      | 3.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SOUTHWESTERN MEMORIAL HOSPITAL

Medicare Provider Number: 370092

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 58.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 88.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.3 %  
Admitted for emergency..... 12.5 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 42.8 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 8.9 %  
Cerebrovascular degeneration..... 4.9 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 46.3%  
State ..... 49.4%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.4 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 46  
Occupancy Rate ..... 23.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 37.2 %  
Case Mix Index (CMI) ..... 1.0639

### STAFFING:

Total Number of Physicians..... 8  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST ANTHONY HOSPITAL

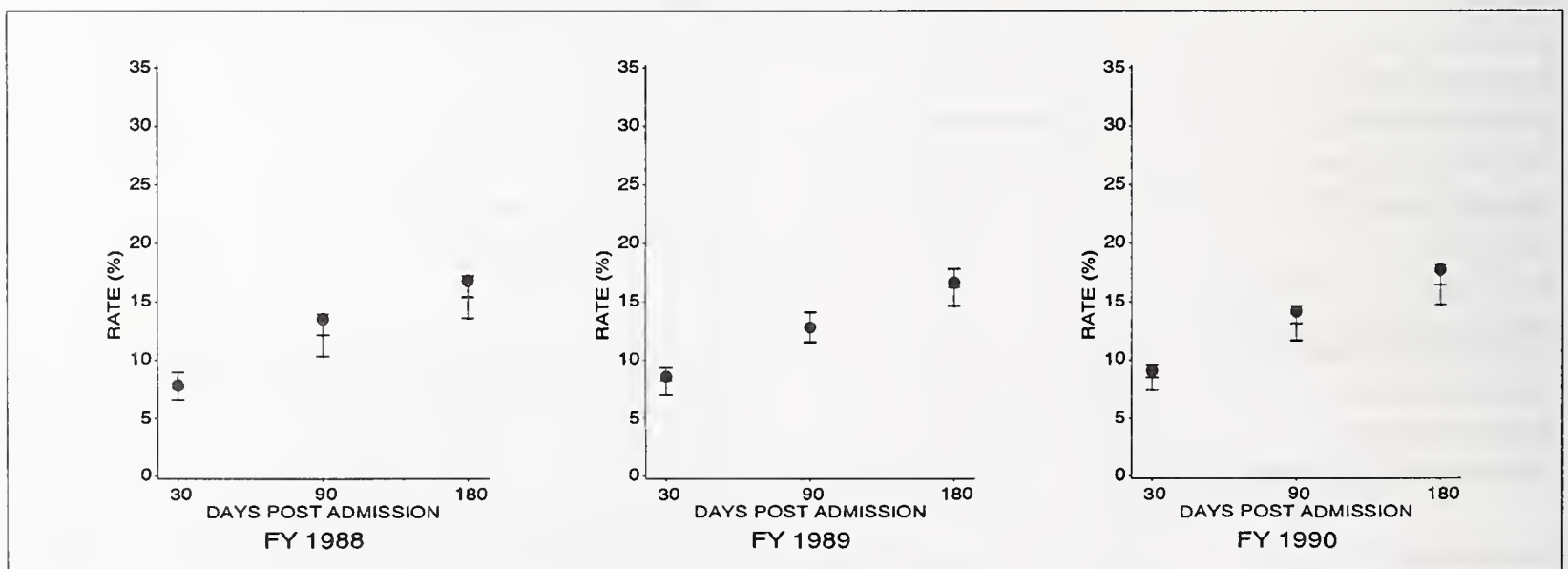
1000 N LEE ST, BOX 205  
OKLAHOMA CITY, OK 73101  
Medicare Provider Number: 370037

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 3616            | 9.1                 | 8.5  | 0.5   | 14.1    | 13.1 | 0.7   | 17.7     | 16.4 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 81              | 28.4                | 25.6 | 8.1   | 32.1    | 28.8 | 9.0   | 32.1     | 31.4 | 9.7   |
| Congestive Heart Failure.....              | 166             | 14.5                | 14.2 | 5.1   | 21.7    | 22.9 | 4.8   | 27.1     | 29.3 | 5.3   |
| Pneumonia/Influenza.....                   | 108             | 16.7                | 17.9 | 4.2   | 22.2    | 24.5 | 4.6   | 26.9     | 28.8 | 4.7   |
| Chronic Obstructive Pulmonary Disease..... | 54              | 7.4                 | 7.8  | 3.8   | 7.4     | 13.6 | 7.0   | 20.4     | 18.0 | 5.4   |
| Transient Cerebral Ischemia.....           | 39              | 0.0                 | 1.8  | ----- | 0.0     | 4.3  | ----- | 2.6      | 7.2  | ----- |
| Stroke.....                                | 106             | 20.8                | 24.4 | 5.3   | 32.1    | 30.5 | 4.7   | 35.8     | 34.3 | 4.8   |
| Hip Fracture.....                          | 70              | 10.0                | 6.6  | 4.1   | 12.9    | 11.7 | 4.2   | 17.1     | 15.0 | 5.4   |
| Sepsis.....                                | 77              | 24.7                | 22.6 | 5.5   | 37.7    | 32.0 | 8.0   | 42.9     | 37.3 | 9.2   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 109             | 3.7                 | 2.3  | 2.1   | 3.7     | 3.2  | 1.9   | 4.6      | 4.2  | 2.0   |
| Coronary Artery Bypass Graft.....          | 101             | 6.9                 | 5.1  | 3.2   | 8.9     | 7.2  | 3.0   | 9.9      | 8.1  | 3.1   |
| Initial Pacemaker Insertion.....           | 39              | 2.6                 | 3.0  | ----- | 5.1     | 6.5  | ----- | 5.1      | 9.9  | ----- |
| Carotid Endarterectomy.....                | 22              | 0.0                 | 1.5  | ----- | 0.0     | 2.6  | ----- | 4.5      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 45              | 2.2                 | 5.2  | ----- | 4.4     | 9.6  | ----- | 8.9      | 12.6 | ----- |
| Open Reduction of Hip Fracture.....        | 33              | 15.2                | 5.9  | ----- | 18.2    | 10.6 | ----- | 21.2     | 13.8 | ----- |
| Prostatectomy.....                         | 88              | 2.3                 | 0.9  | 1.8   | 5.7     | 2.3  | 3.1   | 8.0      | 3.9  | 3.9   |
| Cholecystectomy.....                       | 83              | 6.0                 | 3.0  | 3.4   | 8.4     | 5.2  | 3.4   | 9.6      | 6.7  | 3.4   |
| Hysterectomy.....                          | 24              | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



**ST ANTHONY HOSPITAL**  
Medicare Provider Number: 370037

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.4 years  
Proportion female..... 55.8 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 48.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 33.5 %  
Admitted for emergency..... 38.4 %

**COMORBIDITIES:**

Cancer..... 6.5 %  
Chronic cardiovascular disease..... 31.8 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 5.7 %  
Chronic pulmonary disease..... 10.8 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 9.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 63.0%  
State ..... 34.2%  
Outside State ..... 2.8%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 9.5 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 489  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 45.6 %  
Case Mix Index (CMI) ..... 1.4804

**STAFFING:**

Total Number of Physicians..... 323  
Percent of Physicians Board  
Certified Specialists ..... 70.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 420  
Licensed Practical Nurses ..... 111

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# ST FRANCIS HOSPITAL INC

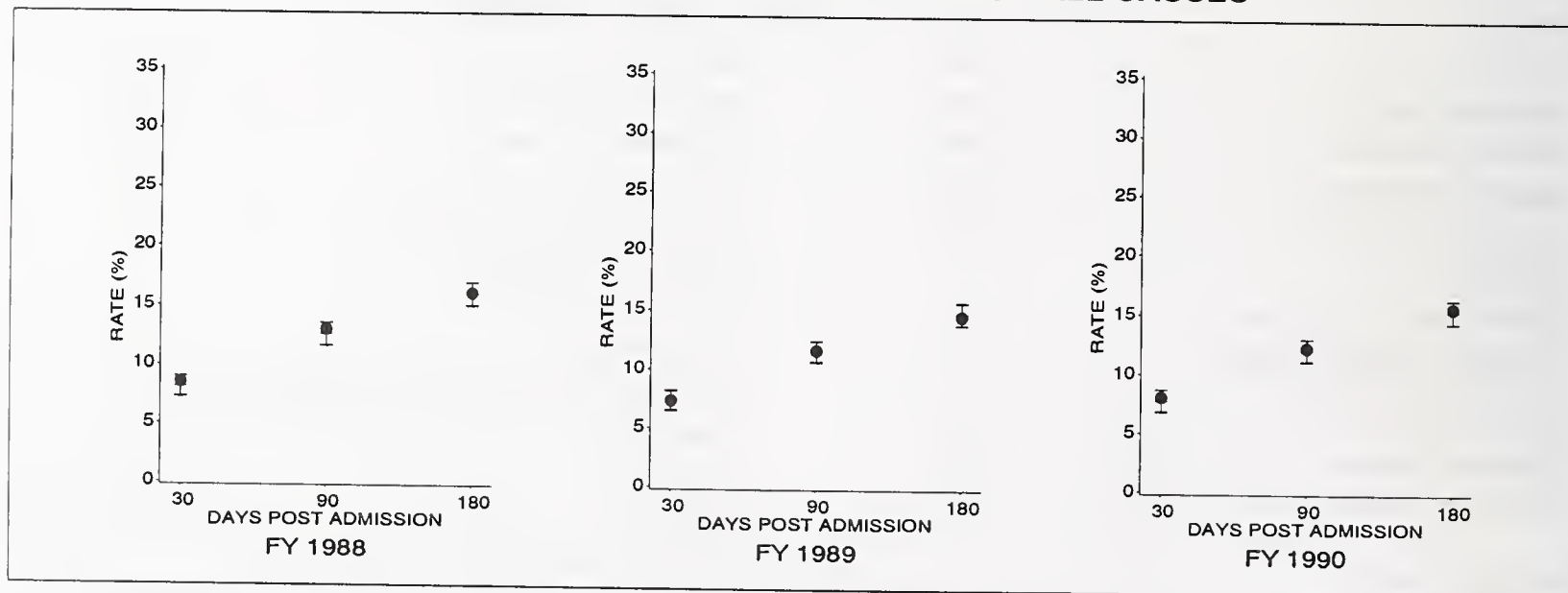
6161 S YALE  
TULSA, OK 74136  
Medicare Provider Number: 370091

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 6552               | 8.0                 | 7.7  | 0.5   | 12.2    | 12.0 | 0.5   | 15.6     | 15.3 | 0.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 291                | 19.6                | 19.1 | 2.4   | 22.0    | 22.3 | 2.5   | 24.1     | 24.9 | 2.7   |
| Congestive Heart Failure.....              | 235                | 11.5                | 12.6 | 2.3   | 17.9    | 20.5 | 3.4   | 23.4     | 26.5 | 4.5   |
| Pneumonia/Influenza.....                   | 188                | 12.8                | 12.0 | 2.5   | 17.6    | 16.8 | 4.5   | 20.2     | 20.1 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 55                 | 12.7                | 7.4  | 6.0   | 23.6    | 13.4 | 8.7   | 25.5     | 18.0 | 8.2   |
| Transient Cerebral Ischemia.....           | 52                 | 1.9                 | 1.6  | 3.7   | 5.8     | 3.5  | 5.1   | 5.8      | 5.6  | 6.3   |
| Stroke.....                                | 183                | 14.2                | 17.9 | 3.6   | 22.4    | 23.6 | 3.3   | 27.3     | 27.3 | 3.4   |
| Hip Fracture.....                          | 204                | 8.3                 | 6.0  | 2.7   | 13.2    | 10.9 | 4.7   | 20.1     | 14.4 | 5.4   |
| Sepsis.....                                | 56                 | 26.8                | 20.9 | 8.2   | 33.9    | 30.9 | 7.0   | 37.5     | 36.5 | 7.0   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 163                | 2.5                 | 3.5  | 1.7   | 2.5     | 4.4  | 2.1   | 2.5      | 5.2  | 2.5   |
| Coronary Artery Bypass Graft.....          | 187                | 6.4                 | 5.2  | 2.6   | 9.1     | 7.5  | 3.1   | 9.6      | 8.4  | 3.5   |
| Initial Pacemaker Insertion.....           | 62                 | 4.8                 | 2.5  | 2.9   | 6.5     | 5.1  | 3.2   | 6.5      | 7.6  | 3.5   |
| Carotid Endarterectomy.....                | 18                 | 0.0                 | 1.3  | ----- | 0.0     | 2.5  | ----- | 0.0      | 3.7  | ----- |
| Hip Replacement/Reconstruction.....        | 164                | 8.5                 | 2.7  | 2.0   | 12.8    | 5.2  | 2.6   | 14.6     | 7.1  | 2.8   |
| Open Reduction of Hip Fracture.....        | 124                | 5.6                 | 5.6  | 2.8   | 8.1     | 10.3 | 3.4   | 16.9     | 13.9 | 4.1   |
| Prostatectomy.....                         | 250                | 0.8                 | 0.8  | 0.8   | 2.4     | 1.9  | 1.5   | 3.6      | 3.3  | 2.5   |
| Cholecystectomy.....                       | 139                | 2.2                 | 2.3  | 2.2   | 2.9     | 4.4  | 2.4   | 4.3      | 5.9  | 2.4   |
| Hysterectomy.....                          | 53                 | 1.9                 | 0.4  | 1.6   | 1.9     | 1.0  | 1.6   | 3.8      | 1.6  | 2.9   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST FRANCIS HOSPITAL INC

Medicare Provider Number: 370091

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.9 years  
Proportion female..... 52.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 20.4 %  
Admitted for emergency..... 48.7 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 41.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 14.4 %  
Cerebrovascular degeneration..... 3.8 %  
Diabetes mellitus..... 6.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 58.6%  
State ..... 37.4%  
Outside State ..... 4.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 648  
Occupancy Rate ..... 82.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 32.3 %  
Case Mix Index (CMI) ..... 1.4884

### STAFFING:

Total Number of Physicians..... 491  
Percent of Physicians Board  
Certified Specialists..... 81.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 855  
Licensed Practical Nurses..... 41

\*\* Except for CMI

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\* Not used in calculating mortality rates

# ST JOHN MEDICAL CENTER INC

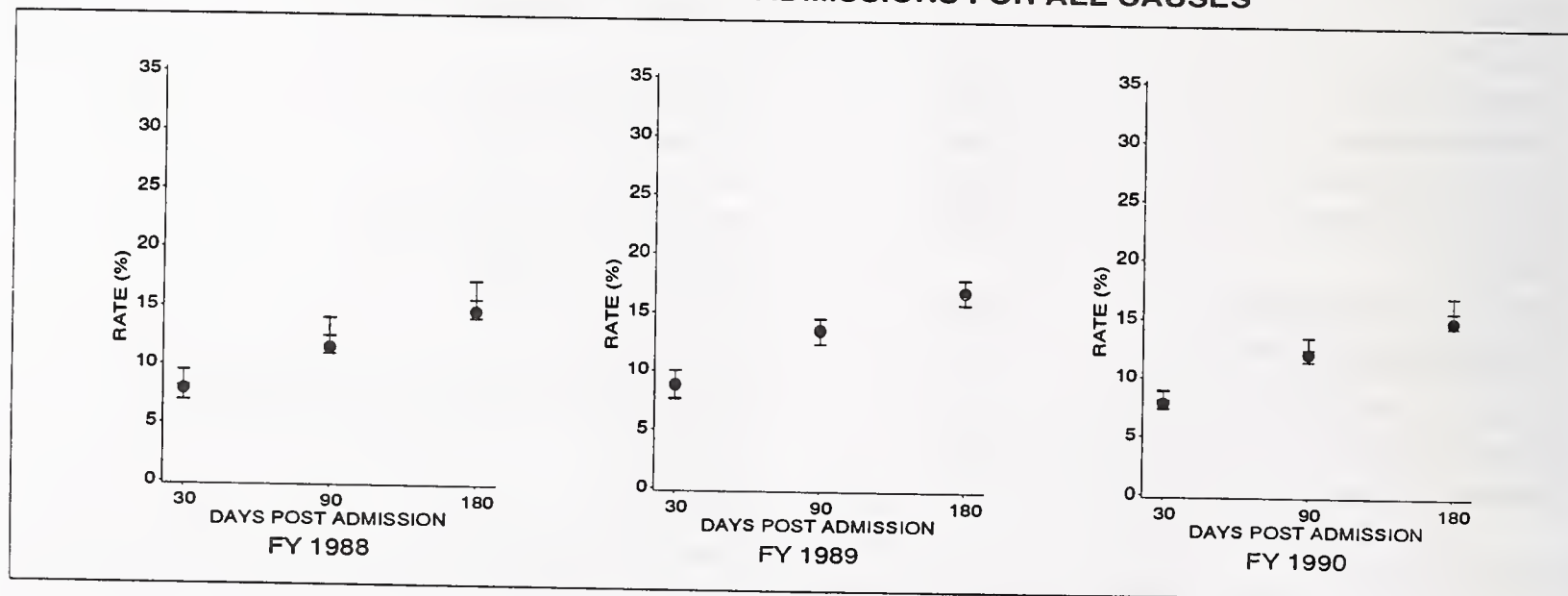
1923 S UTICA AVE  
TULSA, OK 74104  
Medicare Provider Number: 370114

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5427               | 7.8                 | 8.1  | 0.4   | 12.0    | 12.4 | 0.5   | 14.8     | 15.6 | 0.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 213                | 18.3                | 24.8 | 5.4   | 22.5    | 28.1 | 5.6   | 26.3     | 31.0 | 5.9   |
| Congestive Heart Failure.....              | 217                | 14.3                | 14.0 | 2.4   | 21.2    | 22.2 | 4.0   | 30.0     | 28.4 | 4.6   |
| Pneumonia/Influenza.....                   | 186                | 18.3                | 13.6 | 4.2   | 21.0    | 18.6 | 5.2   | 26.3     | 22.0 | 5.5   |
| Chronic Obstructive Pulmonary Disease..... | 66                 | 12.1                | 8.6  | 4.6   | 15.2    | 14.6 | 4.5   | 15.2     | 18.9 | 5.8   |
| Transient Cerebral Ischemia.....           | 75                 | 2.7                 | 1.6  | 1.8   | 8.0     | 3.6  | 4.2   | 8.0      | 5.9  | 3.3   |
| Stroke.....                                | 203                | 16.7                | 20.0 | 3.5   | 23.2    | 26.2 | 4.6   | 26.1     | 30.0 | 5.3   |
| Hip Fracture.....                          | 142                | 5.6                 | 6.8  | 2.5   | 7.7     | 11.8 | 3.9   | 10.6     | 15.3 | 4.7   |
| Sepsis.....                                | 54                 | 29.6                | 23.0 | 11.6  | 38.9    | 29.7 | 11.1  | 40.7     | 34.4 | 9.5   |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 134                | 1.5                 | 4.0  | 2.7   | 3.7     | 5.0  | 2.5   | 6.0      | 6.0  | 2.4   |
| Coronary Artery Bypass Graft.....          | 127                | 10.2                | 7.1  | 3.7   | 11.8    | 9.9  | 3.5   | 12.6     | 11.0 | 3.2   |
| Initial Pacemaker Insertion.....           | 55                 | 0.0                 | 3.4  | 4.2   | 1.8     | 6.7  | 6.1   | 7.3      | 9.5  | 6.3   |
| Carotid Endarterectomy.....                | 33                 | 0.0                 | 2.4  | ----- | 3.0     | 4.3  | ----- | 3.0      | 6.1  | ----- |
| Hip Replacement/Reconstruction.....        | 143                | 3.5                 | 3.2  | 1.5   | 4.9     | 5.8  | 2.1   | 7.0      | 7.8  | 2.5   |
| Open Reduction of Hip Fracture.....        | 70                 | 4.3                 | 6.2  | 3.1   | 5.7     | 11.3 | 5.0   | 8.6      | 14.9 | 6.0   |
| Prostatectomy.....                         | 221                | 0.5                 | 1.0  | 0.9   | 1.8     | 2.4  | 1.1   | 3.2      | 4.0  | 1.5   |
| Cholecystectomy.....                       | 151                | 3.3                 | 2.6  | 1.7   | 6.6     | 4.7  | 2.0   | 7.9      | 6.3  | 2.7   |
| Hysterectomy.....                          | 42                 | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOHN MEDICAL CENTER INC

Medicare Provider Number: 370114

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.5 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 6.5 %  
Admitted for emergency..... 41.7 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 40.8 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.7 %  
Chronic pulmonary disease..... 15.1 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 7.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 73.3%  
State ..... 22.3%  
Outside State ..... 4.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.8 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 725  
Occupancy Rate ..... 73.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 1.5081

### STAFFING:

Total Number of Physicians..... 420  
Percent of Physicians Board  
Certified Specialists..... 83.8 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH REG MEDICAL CTR NORTH OKLAHOMA

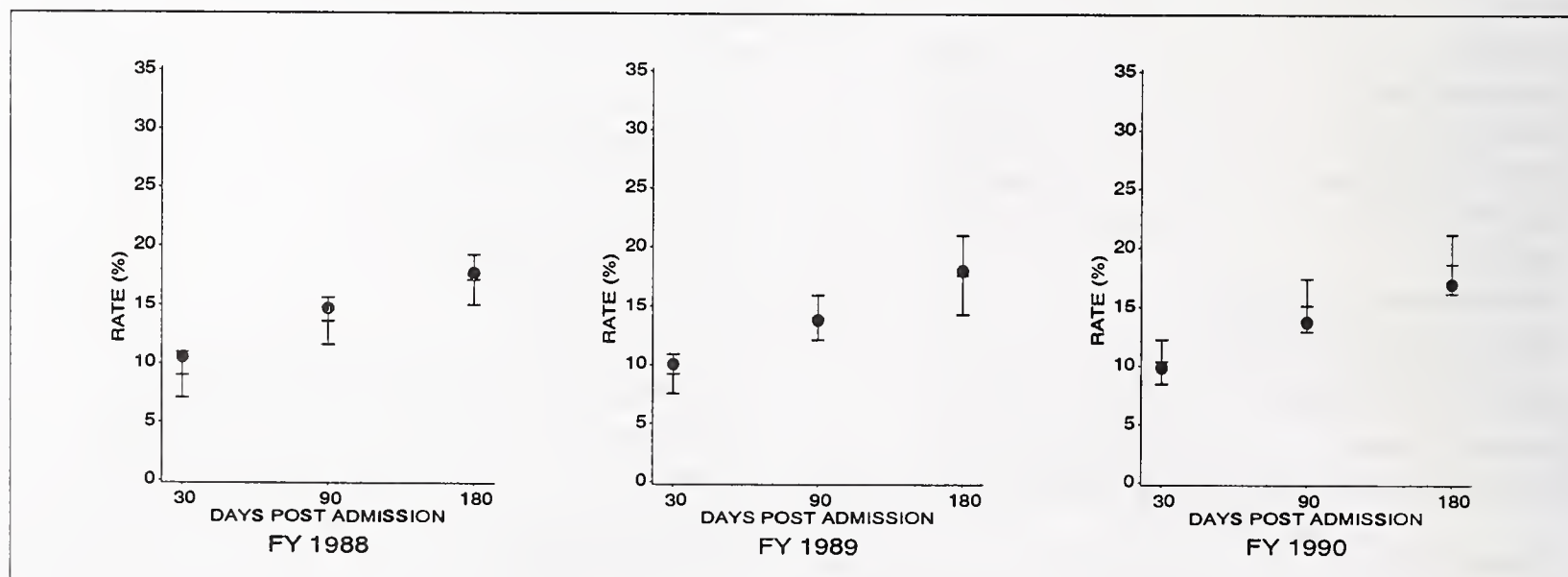
1900 N 14TH ST, BOX 1270  
PONCA CITY, OK 74601  
Medicare Provider Number: 370006

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1293            | 9.8                 | 10.3 | 0.9  | 13.7    | 15.1 | 1.1  | 16.9     | 18.6 | 1.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 54              | 35.2                | 27.2 | 10.5 | 35.2    | 30.4 | 9.9  | 35.2     | 33.1 | 9.2  |
| Congestive Heart Failure.....              | 73              | 13.7                | 16.4 | 4.9  | 16.4    | 25.4 | 6.8  | 23.3     | 32.0 | 8.1  |
| Pneumonia/Influenza.....                   | 69              | 10.1                | 15.8 | 6.3  | 14.5    | 22.0 | 8.2  | 18.8     | 26.1 | 9.4  |
| Chronic Obstructive Pulmonary Disease..... | 16              | 6.3                 | 9.3  | ---- | 12.5    | 15.3 | ---- | 12.5     | 19.5 | ---- |
| Transient Cerebral Ischemia.....           | 22              | 0.0                 | 1.7  | ---- | 0.0     | 3.7  | ---- | 0.0      | 5.9  | ---- |
| Stroke.....                                | 62              | 19.4                | 23.5 | 6.5  | 24.2    | 30.0 | 8.8  | 27.4     | 33.7 | 10.4 |
| Hip Fracture.....                          | 45              | 4.4                 | 9.1  | ---- | 11.1    | 16.1 | ---- | 15.6     | 20.5 | ---- |
| Sepsis.....                                | 10              | 40.0                | 27.3 | ---- | 50.0    | 37.6 | ---- | 50.0     | 43.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 2.6  | ---- | 0.0     | 4.5  | ---- | 0.0      | 6.4  | ---- |
| Carotid Endarterectomy.....                | 16              | 0.0                 | 2.2  | ---- | 0.0     | 4.0  | ---- | 0.0      | 5.8  | ---- |
| Hip Replacement/Reconstruction.....        | 22              | 4.5                 | 7.9  | ---- | 13.6    | 14.1 | ---- | 13.6     | 17.7 | ---- |
| Open Reduction of Hip Fracture.....        | 20              | 0.0                 | 8.3  | ---- | 5.0     | 15.2 | ---- | 15.0     | 20.1 | ---- |
| Prostatectomy.....                         | 44              | 2.3                 | 0.6  | ---- | 2.3     | 1.5  | ---- | 2.3      | 2.6  | ---- |
| Cholecystectomy.....                       | 42              | 2.4                 | 2.4  | ---- | 4.8     | 4.4  | ---- | 7.1      | 5.8  | ---- |
| Hysterectomy.....                          | 16              | 0.0                 | 0.5  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPH REG MEDICAL CTR NORTH OKLAHOMA

Medicare Provider Number: 370006

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years  
Proportion female..... 57.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 61.0 %  
Transferred from skilled nursing facility..... 5.1 %  
Admitted for elective procedure..... 21.2 %  
Admitted for emergency..... 56.0 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 46.1 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 22.9 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.4%  
State ..... 10.0%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 147  
Occupancy Rate ..... 54.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 37.9 %  
Case Mix Index (CMI) ..... 1.2367

### STAFFING:

Total Number of Physicians..... 41  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 112  
Licensed Practical Nurses ..... 30

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# ST MARYS HOSPITAL

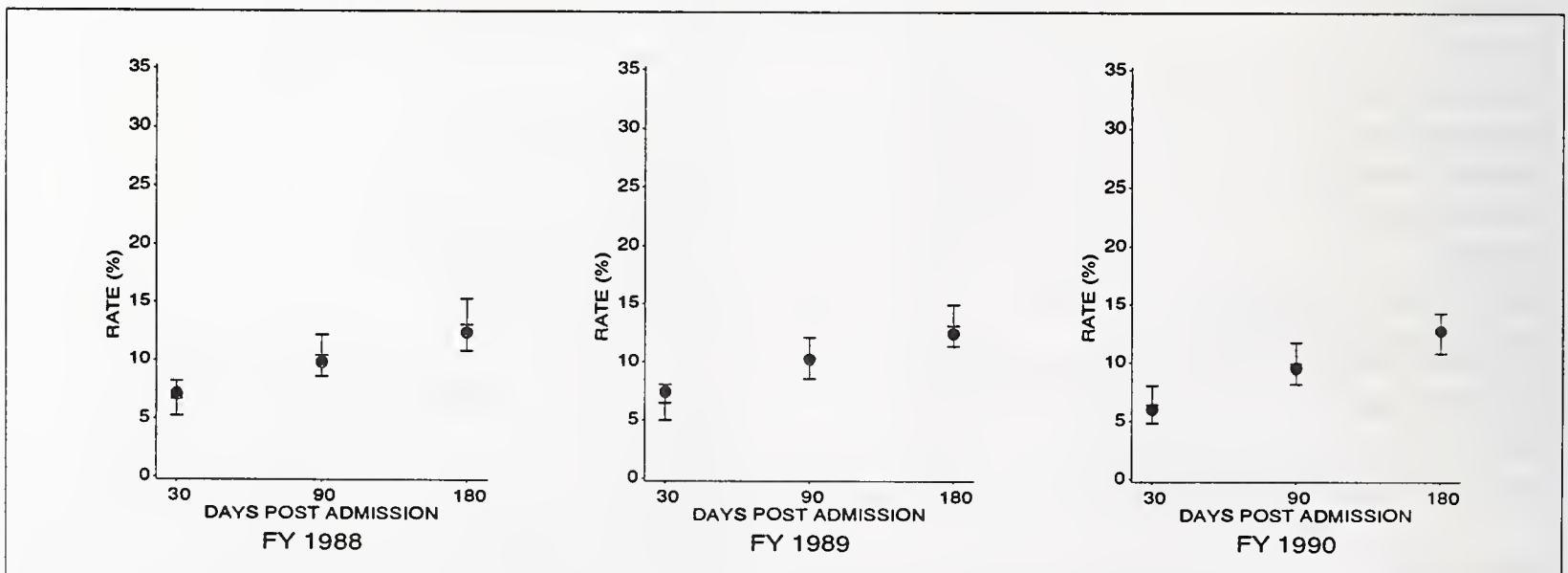
305 S 5TH ST, BOX 232  
ENID, OK 73701  
Medicare Provider Number: 370026

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1565            | 6.0                 | 6.4  | 0.8   | 9.5     | 9.9  | 0.9   | 12.7     | 12.5 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 36              | 27.8                | 27.7 | ----- | 33.3    | 30.8 | ----- | 36.1     | 33.5 | ----- |
| Congestive Heart Failure.....              | 41              | 12.2                | 12.9 | ----- | 22.0    | 20.2 | ----- | 29.3     | 25.7 | ----- |
| Pneumonia/Influenza.....                   | 50              | 12.0                | 16.9 | ----- | 18.0    | 23.5 | ----- | 28.0     | 27.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 18.8                | 9.8  | ----- | 31.3    | 16.4 | ----- | 37.5     | 21.0 | ----- |
| Transient Cerebral Ischemia.....           | 32              | 3.1                 | 1.1  | ----- | 3.1     | 2.6  | ----- | 3.1      | 4.5  | ----- |
| Stroke.....                                | 47              | 27.7                | 22.8 | ----- | 31.9    | 28.9 | ----- | 36.2     | 32.5 | ----- |
| Hip Fracture.....                          | 67              | 3.0                 | 5.6  | 3.3   | 4.5     | 10.2 | 5.3   | 4.5      | 13.3 | 6.8   |
| Sepsis.....                                | 10              | 10.0                | 18.5 | ----- | 10.0    | 27.9 | ----- | 20.0     | 33.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 15              | 0.0                 | 2.8  | ----- | 0.0     | 5.3  | ----- | 0.0      | 7.5  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 64              | 0.0                 | 2.4  | 3.2   | 1.6     | 4.6  | 5.0   | 1.6      | 6.3  | 6.0   |
| Open Reduction of Hip Fracture.....        | 30              | 3.3                 | 5.0  | ----- | 3.3     | 9.5  | ----- | 3.3      | 12.8 | ----- |
| Prostatectomy.....                         | 130             | 0.0                 | 0.7  | 0.9   | 0.0     | 1.6  | 1.6   | 0.8      | 2.8  | 2.0   |
| Cholecystectomy.....                       | 42              | 0.0                 | 1.4  | ----- | 2.4     | 2.8  | ----- | 4.8      | 4.0  | ----- |
| Hysterectomy.....                          | 19              | 0.0                 | 0.8  | ----- | 5.3     | 1.6  | ----- | 5.3      | 2.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MARYS HOSPITAL

Medicare Provider Number: 370026

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 56.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 40.4 %  
Admitted for emergency..... 35.0 %

### COMORBIDITIES:

Cancer..... 5.8 %  
Chronic cardiovascular disease..... 30.0 %  
Chronic liver disease..... 0.3 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 11.3 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 4.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 51.4%  
State ..... 46.2%  
Outside State ..... 2.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.9 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 183  
Occupancy Rate ..... 72.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 43.3 %  
Case Mix Index (CMI) ..... 1.2813

### STAFFING:

Total Number of Physicians..... 89  
Percent of Physicians Board  
Certified Specialists ..... 82.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 83  
Licensed Practical Nurses..... 41

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# STILLWATER MEDICAL CENTER

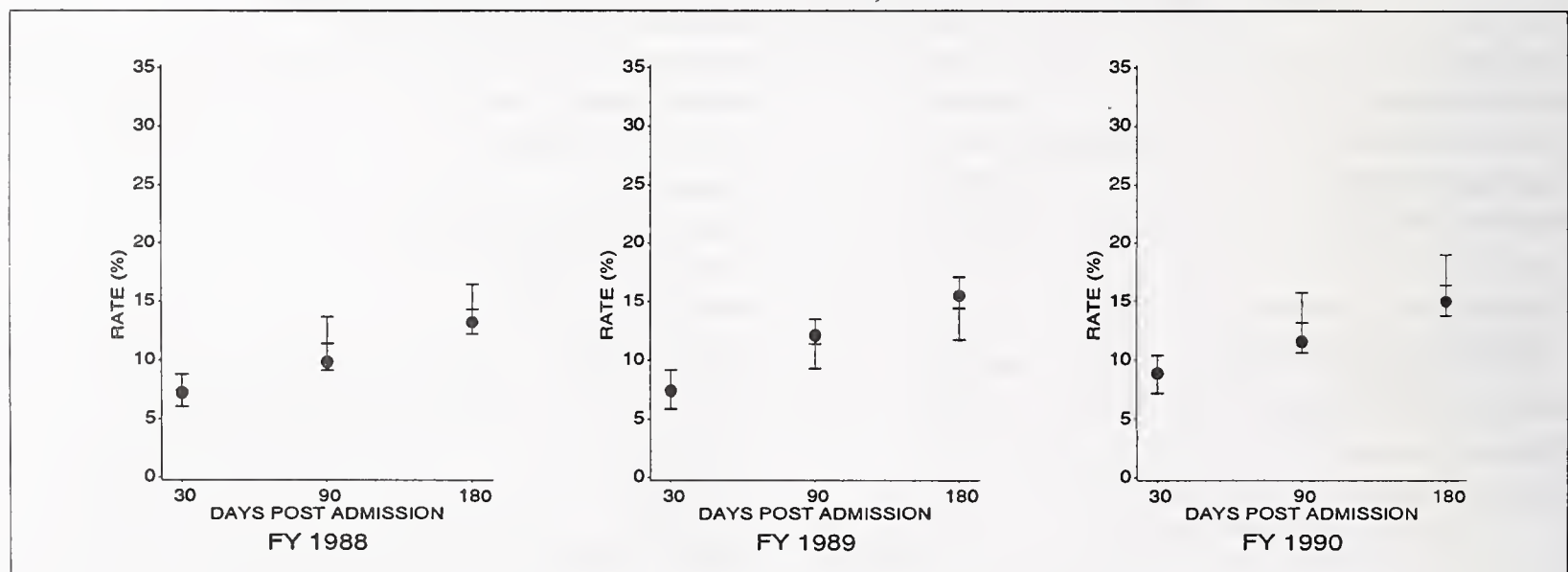
1323 W 6TH AVE, BOX 2408  
STILLWATER, OK 74076  
Medicare Provider Number: 370049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1316            | 8.9                 | 8.8  | 0.8   | 11.6    | 13.2 | 1.3   | 15.0     | 16.4 | 1.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 23              | 21.7                | 33.1 | ----- | 26.1    | 35.9 | ----- | 30.4     | 38.8 | ----- |
| Congestive Heart Failure.....              | 53              | 11.3                | 13.4 | 6.5   | 11.3    | 21.1 | 9.8   | 18.9     | 26.6 | 10.5  |
| Pneumonia/Influenza.....                   | 79              | 8.9                 | 11.5 | 4.0   | 16.5    | 16.2 | 4.2   | 19.0     | 19.2 | 4.4   |
| Chronic Obstructive Pulmonary Disease..... | 20              | 15.0                | 5.0  | ----- | 15.0    | 9.8  | ----- | 15.0     | 13.6 | ----- |
| Transient Cerebral Ischemia.....           | 21              | 4.8                 | 1.4  | ----- | 9.5     | 3.3  | ----- | 19.0     | 5.5  | ----- |
| Stroke.....                                | 72              | 11.1                | 18.2 | 7.0   | 16.7    | 24.1 | 8.4   | 23.6     | 27.9 | 8.2   |
| Hip Fracture.....                          | 50              | 12.0                | 6.8  | ----- | 16.0    | 12.1 | ----- | 16.0     | 15.7 | ----- |
| Sepsis.....                                | 46              | 28.3                | 22.7 | ----- | 32.6    | 28.8 | ----- | 32.6     | 33.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 4.9  | ----- | 0.0     | 8.7  | ----- | 0.0      | 11.9 | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 47              | 2.1                 | 4.3  | ----- | 4.3     | 7.5  | ----- | 6.4      | 9.9  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 17.6                | 6.0  | ----- | 17.6    | 11.7 | ----- | 17.6     | 15.5 | ----- |
| Prostatectomy.....                         | 62              | 1.6                 | 1.0  | ----- | 1.6     | 2.6  | ----- | 1.6      | 4.5  | ----- |
| Cholecystectomy.....                       | 38              | 0.0                 | 1.7  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 6               | 16.7                | 1.5  | ----- | 16.7    | 2.7  | ----- | 16.7     | 3.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# STILLWATER MEDICAL CENTER

Medicare Provider Number: 370049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years  
Proportion female..... 58.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 35.5 %  
Admitted for emergency..... 23.6 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 30.8 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 11.3 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 74.9%  
State..... 23.1%  
Outside State..... 2.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.5 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds..... 120  
Occupancy Rate..... 60.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.2230

### STAFFING:

Total Number of Physicians..... 50  
Percent of Physicians Board  
Certified Specialists..... 72.0 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 104  
Licensed Practical Nurses..... 34

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# STROUD GENERAL HOSPITAL

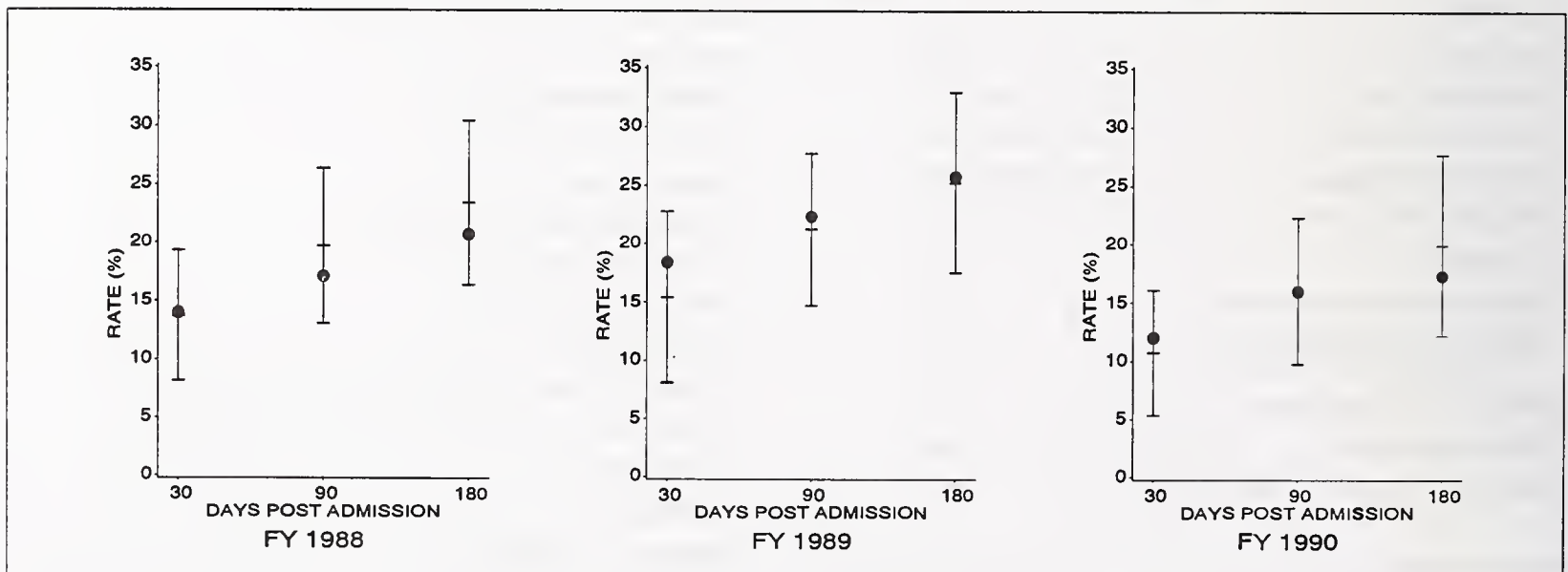
U S HWY 66 W, BOX 530  
STROUD, OK 74079  
Medicare Provider Number: 370063

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 150             | 12.0                | 10.7 | 2.7   | 16.0    | 16.0 | 3.1   | 17.3     | 19.9 | 3.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 50.0                | 34.6 | ----- | 50.0    | 38.8 | ----- | 50.0     | 42.2 | ----- |
| Congestive Heart Failure.....              | 9               | 0.0                 | 16.0 | ----- | 0.0     | 25.4 | ----- | 0.0      | 31.6 | ----- |
| Pneumonia/Influenza.....                   | 16              | 6.3                 | 12.5 | ----- | 12.5    | 17.5 | ----- | 12.5     | 21.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 0.0                 | 8.4  | ----- | 20.0    | 16.4 | ----- | 20.0     | 22.5 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.9  | ----- |
| Stroke.....                                | 7               | 28.6                | 28.1 | ----- | 28.6    | 36.0 | ----- | 28.6     | 40.5 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0               |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# STROUD GENERAL HOSPITAL

Medicare Provider Number: 370063

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.7 years  
Proportion female..... 66.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 29.3 %

### COMORBIDITIES:

Cancer..... 3.3 %  
Chronic cardiovascular disease..... 32.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 6.7 %  
Chronic pulmonary disease..... 19.3 %  
Cerebrovascular degeneration..... 0.7 %  
Diabetes mellitus..... 9.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.4%  
State ..... 12.2%  
Outside State ..... 0.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 34  
Occupancy Rate ..... 18.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... (Not Available)  
Case Mix Index (CMI) ..... 1.0442

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists ..... (Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses ..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No  
OTHER SPECIALTY/HOSPITAL-BASED SERVICES:  
Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# TAHLEQUAH CITY HOSPITAL

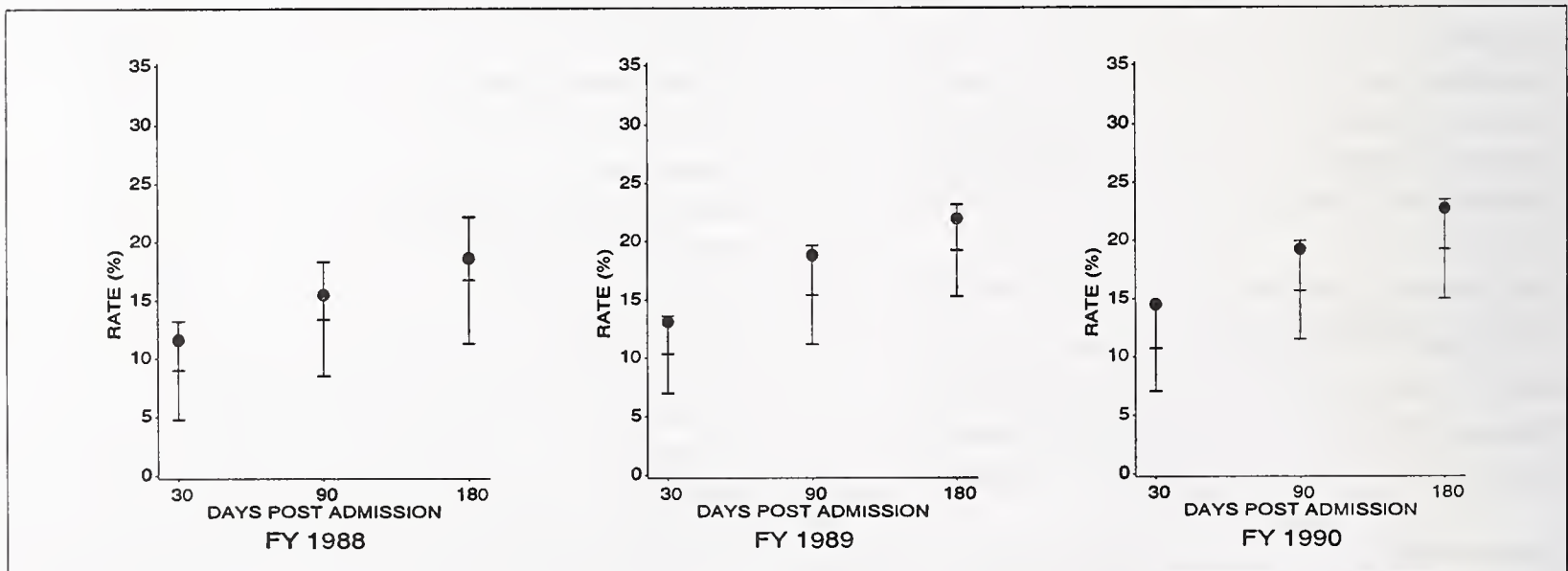
1400 E DOWNING, BOX 1008  
TAHLEQUAH, OK 74465  
Medicare Provider Number: 370089

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 621             | 14.5                | 10.7 | 1.8   | 19.2    | 15.7 | 2.1   | 22.7     | 19.2 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 24              | 16.7                | 19.4 | ----- | 20.8    | 22.5 | ----- | 29.2     | 25.5 | ----- |
| Congestive Heart Failure.....              | 32              | 18.8                | 13.3 | ----- | 28.1    | 21.0 | ----- | 37.5     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 74              | 14.9                | 15.4 | 4.3   | 18.9    | 21.3 | 5.4   | 21.6     | 25.2 | 6.4   |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 5.9  | ----- | 0.0     | 11.7 | ----- | 0.0      | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.7  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.5  | ----- |
| Stroke.....                                | 29              | 31.0                | 21.5 | ----- | 41.4    | 27.4 | ----- | 51.7     | 31.0 | ----- |
| Hip Fracture.....                          | 17              | 5.9                 | 8.3  | ----- | 5.9     | 14.3 | ----- | 5.9      | 18.3 | ----- |
| Sepsis.....                                | 9               | 22.2                | 22.3 | ----- | 44.4    | 30.3 | ----- | 55.6     | 34.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 5               | 0.0                 | 2.8  | ----- | 0.0     | 5.8  | ----- | 0.0      | 8.4  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9               | 0.0                 | 0.6  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.4  | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 7.3  | ----- | 0.0     | 13.4 | ----- | 0.0      | 17.5 | ----- |
| Prostatectomy.....                         | 1               | 0.0                 | 2.5  | ----- | 0.0     | 5.5  | ----- | 0.0      | 8.3  | ----- |
| Cholecystectomy.....                       | 22              | 18.2                | 3.8  | ----- | 22.7    | 7.1  | ----- | 22.7     | 9.2  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.8  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.5  | ----- |

\* The Standard Deviation (SD) Is not calculated if the number of deaths or cases Is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TAHLEQUAH CITY HOSPITAL

Medicare Provider Number: 370089

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years

Proportion female..... 59.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.2 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 38.3 %

Admitted for emergency..... 59.4 %

### COMORBIDITIES:

Cancer..... 7.1 %

Chronic cardiovascular disease..... 38.8 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 3.1 %

Chronic pulmonary disease..... 18.2 %

Cerebrovascular degeneration..... 4.2 %

Diabetes mellitus..... 14.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 75.6%

State..... 21.7%

Outside State..... 2.7%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.7 Days

State..... 7.6 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 73

Occupancy Rate..... 38.0 %

Ownership/Control..... Local Government

Medicare Discharges..... 43.1 %

Case Mix Index (CMI)..... 1.2867

### STAFFING:

Total Number of Physicians..... 47

Percent of Physicians Board  
Certified Specialists..... 78.7 %

Medical Residents/Interns..... 0

Registered Nurses..... 37

Licensed Practical Nurses..... 23

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# THOMAS MEMORIAL HOSPITAL INC

610 EAST BROADWAY, BOX 348  
THOMAS, OK 73669  
Medicare Provider Number: 370189

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 129                | 9.3                 | 7.6  | 5.5   | 15.5    | 11.6 | 5.8   | 17.8     | 14.9 | 5.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 100.0               | 28.4 | ----- | 100.0   | 30.5 | ----- | 100.0    | 32.9 | ----- |
| Congestive Heart Failure.....              | 9                  | 11.1                | 12.0 | ----- | 22.2    | 18.9 | ----- | 33.3     | 25.4 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 0.0                 | 11.1 | ----- | 5.0     | 15.2 | ----- | 5.0      | 18.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 6.2  | ----- | 0.0     | 10.3 | ----- | 0.0      | 13.7 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 2.1  | ----- | 0.0     | 4.4  | ----- | 0.0      | 6.9  | ----- |
| Stroke.....                                | 3                  | 66.7                | 12.7 | ----- | 66.7    | 16.2 | ----- | 66.7     | 19.7 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 36.2 | ----- | 100.0   | 43.0 | ----- | 100.0    | 47.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3                  | 0.0                 | 1.1  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.1  | ----- |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.6  | ----- | 0.0     | 1.2  | ----- | 0.0      | 1.7  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# THOMAS MEMORIAL HOSPITAL INC

Medicare Provider Number: 370189

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.6 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 93.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 10.1 %  
Admitted for emergency..... 2.3 %

### COMORBIDITIES:

Cancer..... 3.1 %  
Chronic cardiovascular disease..... 27.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 13.2 %  
Cerebrovascular degeneration..... 0.8 %  
Diabetes mellitus..... 3.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.2%  
State..... 21.5%  
Outside State..... 1.3%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.6 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 33  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 0.9542

### STAFFING:

Medical Residents/Interns..... 1  
Registered Nurses..... 5  
Licensed Practical Nurses..... 4

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... No  
Hospice Care..... No  
Intensive Care Unit..... No  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TULSA REGIONAL MEDICAL CENTER \*\*

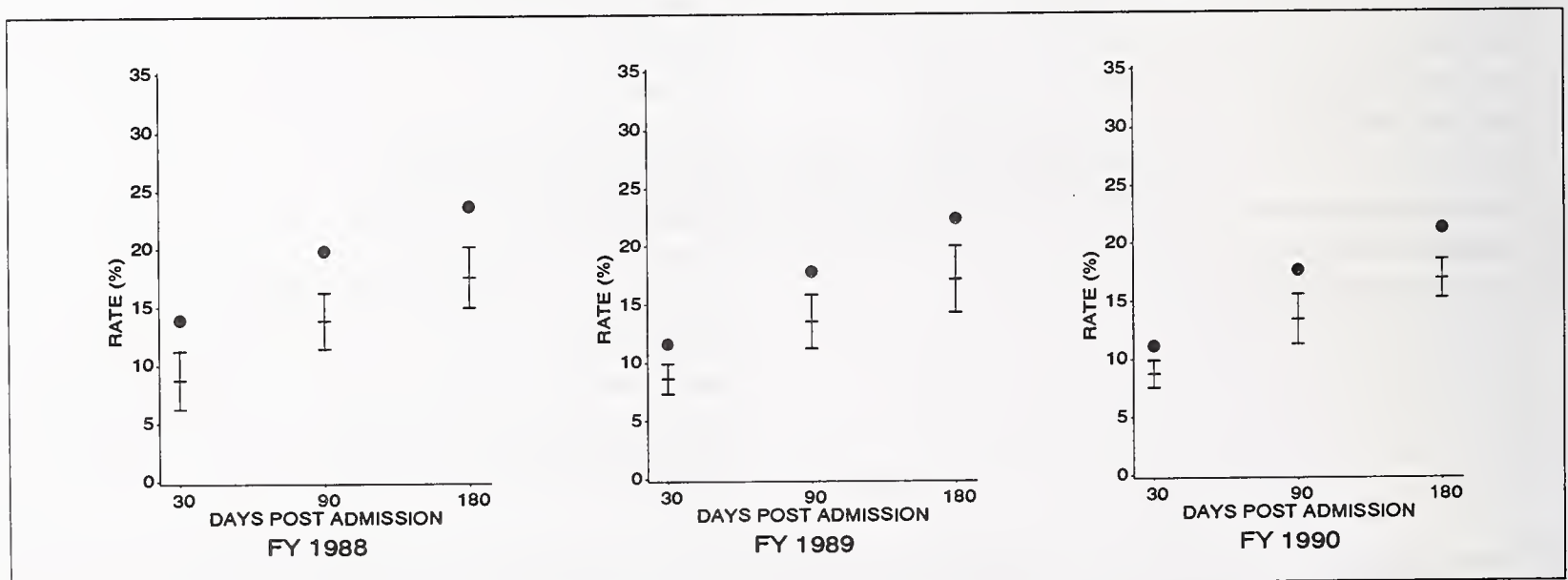
744 W 9TH STREET  
TULSA, OK 74127  
Medicare Provider Number: 370078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2636               | 11.1                | 8.7  | 0.6   | 17.6    | 13.4 | 1.1   | 21.3     | 16.9 | 0.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 82                 | 31.7                | 23.1 | 7.4   | 34.1    | 26.0 | 7.2   | 36.6     | 28.3 | 7.2   |
| Congestive Heart Failure.....              | 144                | 10.4                | 13.8 | 3.4   | 20.1    | 22.2 | 3.7   | 30.6     | 28.6 | 3.9   |
| Pneumonia/Influenza.....                   | 112                | 14.3                | 11.9 | 4.0   | 17.9    | 16.9 | 5.7   | 25.0     | 20.6 | 5.9   |
| Chronic Obstructive Pulmonary Disease..... | 24                 | 12.5                | 6.3  | ----- | 25.0    | 11.7 | ----- | 33.3     | 15.8 | ----- |
| Transient Cerebral Ischemia.....           | 40                 | 2.5                 | 1.5  | ----- | 7.5     | 3.4  | ----- | 10.0     | 5.7  | ----- |
| Stroke.....                                | 82                 | 18.3                | 17.4 | 5.7   | 25.6    | 23.3 | 6.7   | 26.8     | 26.8 | 7.4   |
| Hip Fracture.....                          | 91                 | 6.6                 | 4.7  | 2.8   | 12.1    | 8.6  | 4.3   | 14.3     | 11.6 | 4.5   |
| Sepsis.....                                | 36                 | 30.6                | 24.1 | ----- | 47.2    | 33.5 | ----- | 47.2     | 39.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 24                 | 8.3                 | 3.0  | ----- | 8.3     | 3.9  | ----- | 8.3      | 4.6  | ----- |
| Coronary Artery Bypass Graft.....          | 49                 | 10.2                | 5.3  | ----- | 12.2    | 7.8  | ----- | 12.2     | 8.9  | ----- |
| Initial Pacemaker Insertion.....           | 27                 | 3.7                 | 2.5  | ----- | 7.4     | 5.1  | ----- | 7.4      | 7.6  | ----- |
| Carotid Endarterectomy.....                | 15                 | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 0.0      | 2.7  | ----- |
| Hip Replacement/Reconstruction.....        | 61                 | 4.9                 | 2.7  | 2.8   | 9.8     | 5.3  | 5.1   | 13.1     | 7.6  | 7.2   |
| Open Reduction of Hip Fracture.....        | 44                 | 2.3                 | 4.3  | ----- | 6.8     | 7.9  | ----- | 6.8      | 10.6 | ----- |
| Prostatectomy.....                         | 80                 | 2.5                 | 0.8  | 1.5   | 3.7     | 1.9  | 2.2   | 6.3      | 3.3  | 3.2   |
| Cholecystectomy.....                       | 40                 | 2.5                 | 2.4  | ----- | 5.0     | 4.8  | ----- | 7.5      | 6.7  | ----- |
| Hysterectomy.....                          | 19                 | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 5.3      | 2.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



\*\* This hospital says that it submitted inaccurate data to Medicare and that its predicted mortality rate should be higher than that presented above.

# TULSA REGIONAL MEDICAL CENTER

Medicare Provider Number: 370078

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.5 years  
Proportion female..... 57.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.8 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 50.8 %  
Admitted for emergency..... 36.8 %

### COMORBIDITIES:

Cancer..... 8.8 %  
Chronic cardiovascular disease..... 31.1 %  
Chronic liver disease..... 1.3 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 17.3 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 70.1%  
State..... 27.1%  
Outside State..... 2.8%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.1 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 335  
Occupancy Rate..... 66.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.4249

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... Yes  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... Yes  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# VALLEY VIEW REGIONAL HOSPITAL

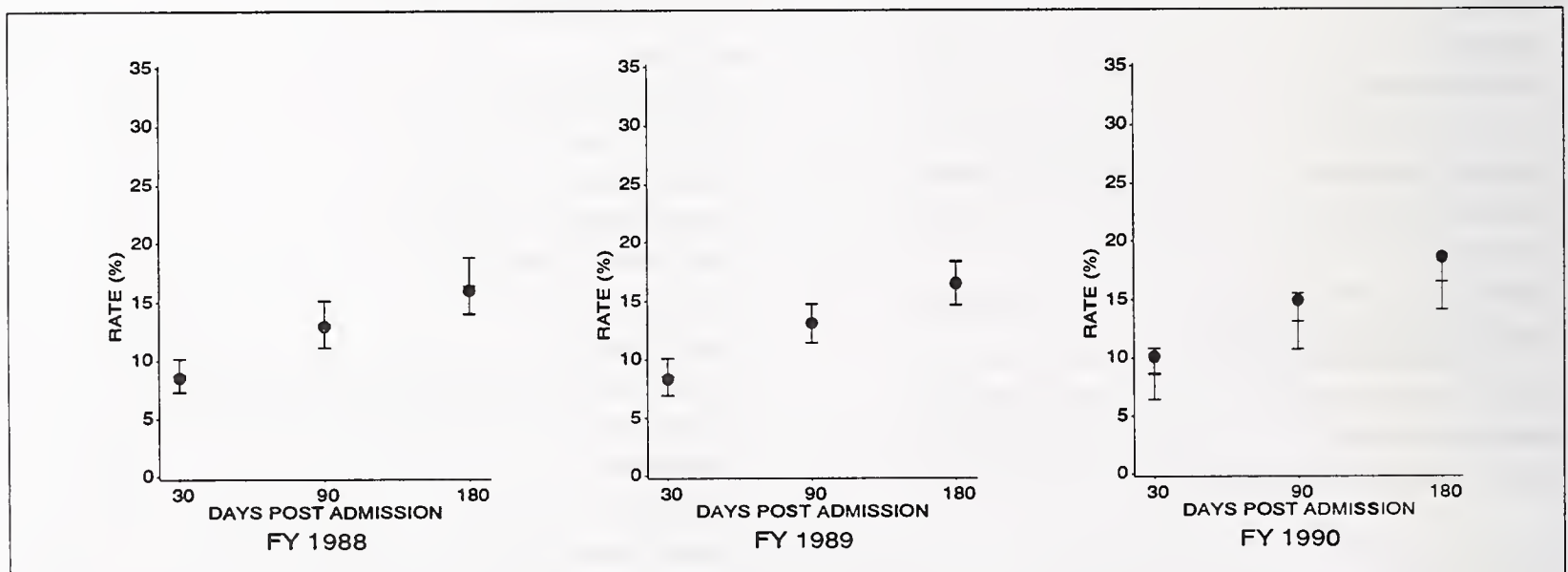
430 N MONTA VISTA  
ADA, OK 74820  
Medicare Provider Number: 370020

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1707               | 10.1                | 8.6  | 1.1   | 14.9    | 13.1 | 1.2   | 18.6     | 16.5 | 1.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 54                 | 35.2                | 32.5 | 7.3   | 42.6    | 36.2 | 8.6   | 44.4     | 39.6 | 8.3   |
| Congestive Heart Failure.....              | 61                 | 19.7                | 16.0 | 5.2   | 32.8    | 25.4 | 8.0   | 41.0     | 32.0 | 9.9   |
| Pneumonia/Influenza.....                   | 117                | 19.7                | 14.1 | 4.4   | 25.6    | 20.0 | 6.9   | 32.5     | 24.0 | 6.9   |
| Chronic Obstructive Pulmonary Disease..... | 19                 | 15.8                | 11.2 | ----- | 15.8    | 19.3 | ----- | 36.8     | 24.5 | ----- |
| Transient Cerebral Ischemia.....           | 20                 | 5.0                 | 1.5  | ----- | 5.0     | 3.5  | ----- | 5.0      | 5.9  | ----- |
| Stroke.....                                | 75                 | 29.3                | 20.3 | 6.4   | 30.7    | 26.6 | 6.3   | 36.0     | 30.7 | 5.9   |
| Hip Fracture.....                          | 53                 | 0.0                 | 5.7  | 4.6   | 5.7     | 10.0 | 5.7   | 9.4      | 13.1 | 5.8   |
| Sepsis.....                                | 23                 | 43.5                | 24.3 | ----- | 56.5    | 33.1 | ----- | 56.5     | 38.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 1                  | 0.0                 | 8.4  | ----- | 0.0     | 9.9  | ----- | 0.0      | 11.2 | ----- |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 16                 | 0.0                 | 3.0  | ----- | 0.0     | 5.7  | ----- | 6.3      | 8.7  | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 32                 | 0.0                 | 4.6  | ----- | 9.4     | 8.3  | ----- | 9.4      | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 31                 | 0.0                 | 4.4  | ----- | 0.0     | 8.0  | ----- | 6.5      | 10.8 | ----- |
| Prostatectomy.....                         | 54                 | 0.0                 | 0.7  | 1.3   | 0.0     | 1.7  | 2.3   | 0.0      | 3.0  | 3.5   |
| Cholecystectomy.....                       | 32                 | 3.1                 | 2.2  | ----- | 3.1     | 4.0  | ----- | 3.1      | 5.6  | ----- |
| Hysterectomy.....                          | 10                 | 0.0                 | 0.6  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VALLEY VIEW REGIONAL HOSPITAL

Medicare Provider Number: 370020

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.4 years

Proportion female..... 56.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 53.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 23.3 %

Admitted for emergency..... 0.4 %

### COMORBIDITIES:

Cancer..... 6.1 %

Chronic cardiovascular disease..... 32.8 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 2.8 %

Chronic pulmonary disease..... 32.2 %

Cerebrovascular degeneration..... 2.7 %

Diabetes mellitus..... 10.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 66.1%

State..... 32.1%

Outside State..... 1.8%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 8.1 Days

State..... 7.6 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 144

Occupancy Rate..... 56.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges..... 44.2 %

Case Mix Index (CMI)..... 1.2695

### STAFFING:

Total Number of Physicians..... 34

Percent of Physicians Board  
Certified Specialists..... 73.5 %

Medical Residents/Interns..... 0

Registered Nurses..... 76

Licensed Practical Nurses..... 63

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... Yes

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... Yes

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# W W HASTINGS INDIAN HOSPITAL

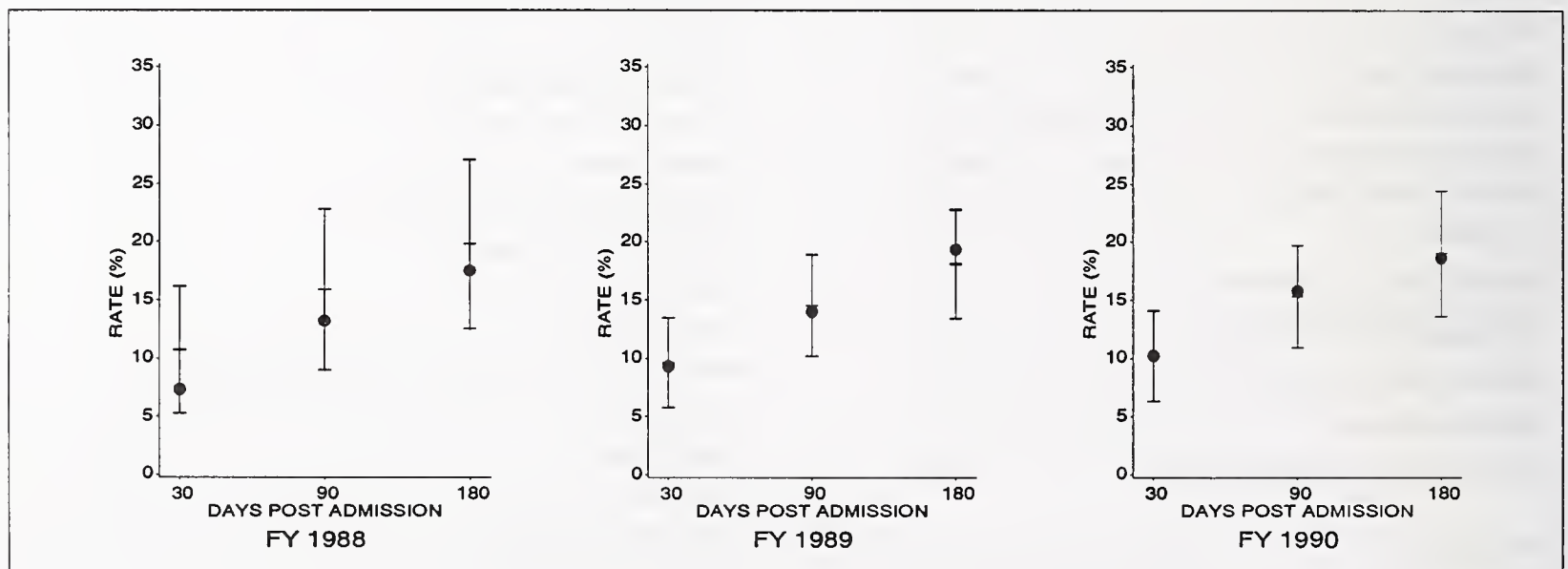
100 S BLISS  
TAHLEQUAH, OK 74464  
Medicare Provider Number: 370171

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 285                | 10.2                | 10.2 | 2.0   | 15.8    | 15.3 | 2.2   | 18.6     | 19.0 | 2.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 15                 | 20.0                | 29.0 | ----- | 20.0    | 32.0 | ----- | 20.0     | 35.6 | ----- |
| Congestive Heart Failure.....              | 17                 | 17.6                | 14.4 | ----- | 23.5    | 23.3 | ----- | 29.4     | 30.3 | ----- |
| Pneumonia/Influenza.....                   | 22                 | 13.6                | 15.2 | ----- | 27.3    | 21.4 | ----- | 27.3     | 25.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 11                 | 18.2                | 8.6  | ----- | 27.3    | 15.8 | ----- | 36.4     | 21.4 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.8  | ----- | 0.0     | 4.7  | ----- | 0.0      | 8.2  | ----- |
| Stroke.....                                | 12                 | 16.7                | 21.8 | ----- | 33.3    | 27.8 | ----- | 33.3     | 31.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2                  | 50.0                | 22.0 | ----- | 50.0    | 25.1 | ----- | 50.0     | 28.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2                  | 0.0                 | 5.5  | ----- | 0.0     | 12.1 | ----- | 0.0      | 18.0 | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.2  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# W W HASTINGS INDIAN HOSPITAL

Medicare Provider Number: 370171

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.0 years  
Proportion female..... 50.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 19.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 6.7 %  
Admitted for emergency..... 26.0 %

### COMORBIDITIES:

Cancer..... 5.6 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 15.1 %  
Cerebrovascular degeneration..... 5.6 %  
Diabetes mellitus..... 17.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 42.7%  
State ..... 56.0%  
Outside State ..... 1.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.8 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 60  
Occupancy Rate ..... 65.0 %  
Ownership/Control..... Federal Government  
Medicare Discharges ..... 9.4 %  
Case Mix Index (CMI) ..... 0.9867

### STAFFING:

Total Number of Physicians..... 22  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 11  
Registered Nurses..... 82  
Licensed Practical Nurses..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WAGONER COMMUNITY HOSPITAL

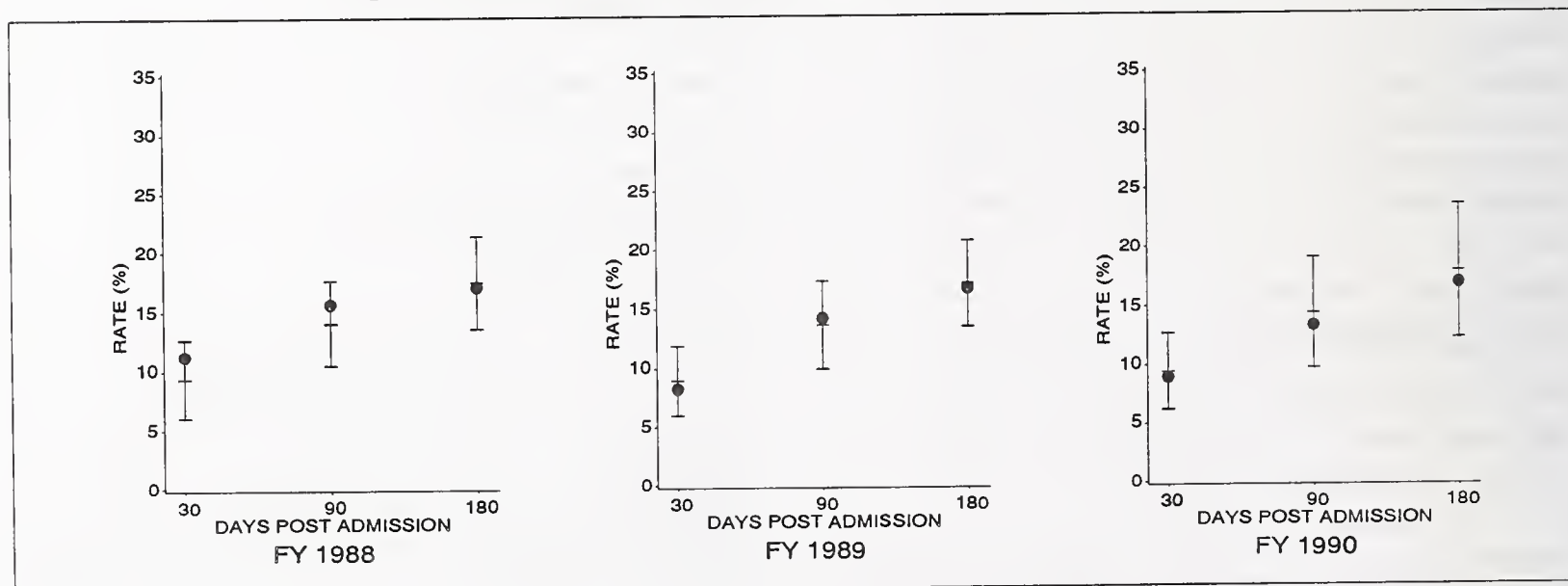
1200 W CHEROKEE, BOX 407  
WAGONER, OK 74467  
Medicare Provider Number: 370166

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 451             | 8.9                 | 9.4  | 1.6   | 13.3    | 14.4 | 2.3   | 16.9     | 17.9 | 2.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 12              | 58.3                | 25.5 | ----- | 58.3    | 28.7 | ----- | 58.3     | 31.8 | ----- |
| Congestive Heart Failure.....              | 21              | 19.0                | 16.9 | ----- | 19.0    | 27.0 | ----- | 28.6     | 34.3 | ----- |
| Pneumonia/Influenza.....                   | 24              | 25.0                | 19.2 | ----- | 29.2    | 26.5 | ----- | 29.2     | 30.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 5.9  | ----- | 0.0     | 10.5 | ----- | 5.9      | 14.5 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 0.0      | 6.1  | ----- |
| Stroke.....                                | 18              | 16.7                | 20.7 | ----- | 22.2    | 28.5 | ----- | 22.2     | 32.7 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 8               | 25.0                | 25.6 | ----- | 25.0    | 33.9 | ----- | 50.0     | 38.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2               | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.2  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ----- | 0.0     | 0.0  | ----- | 0.0      | 0.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WAGONER COMMUNITY HOSPITAL

Medicare Provider Number: 370166

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 63.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 39.9 %  
Admitted for emergency..... 53.9 %

### COMORBIDITIES:

Cancer..... 4.2 %  
Chronic cardiovascular disease..... 45.9 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 2.2 %  
Chronic pulmonary disease..... 22.2 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 11.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.1%  
State ..... 21.3%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.4 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 100  
Occupancy Rate ..... 32.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 51.5 %  
Case Mix Index (CMI) ..... 1.0858

### STAFFING:

Total Number of Physicians..... 15  
Percent of Physicians Board  
Certified Specialists ..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 32  
Licensed Practical Nurses ..... 15

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# WATONGA MUNICIPAL HOSPITAL

500 N CLARENCE NASH BLVD, BOX 370

WATONGA, OK 73772

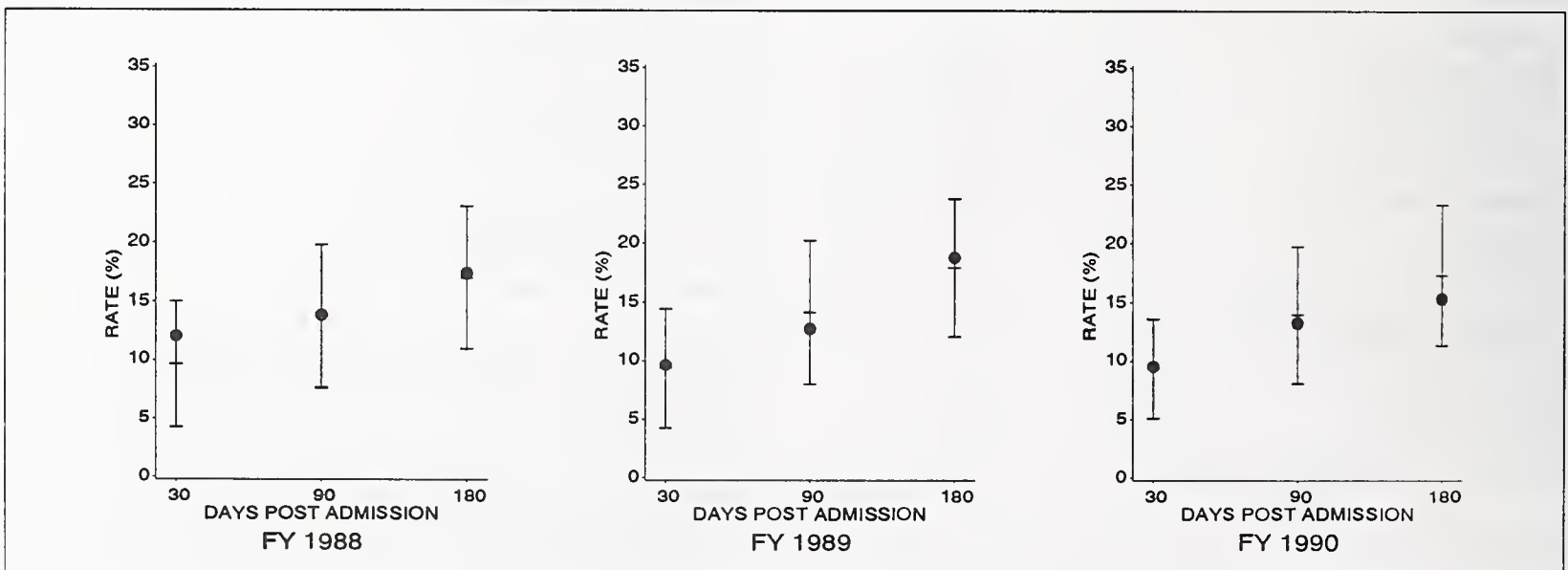
Medicare Provider Number: 370005

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 189                | 9.5                 | 9.3  | 2.1   | 13.2    | 13.9 | 2.9   | 15.3     | 17.3 | 3.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6                  | 0.0                 | 36.3 | ----- | 16.7    | 39.0 | ----- | 16.7     | 42.2 | ----- |
| Congestive Heart Failure.....              | 9                  | 33.3                | 14.4 | ----- | 44.4    | 23.5 | ----- | 44.4     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 6                  | 16.7                | 17.4 | ----- | 16.7    | 24.6 | ----- | 16.7     | 29.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 8.8  | ----- | 0.0     | 16.3 | ----- | 0.0      | 21.3 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.6  | ----- | 20.0    | 3.8  | ----- | 20.0     | 6.3  | ----- |
| Stroke.....                                | 8                  | 37.5                | 24.2 | ----- | 62.5    | 29.9 | ----- | 62.5     | 33.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 15.7 | ----- | 0.0     | 18.3 | ----- | 0.0      | 21.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.9  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WATONGA MUNICIPAL HOSPITAL

Medicare Provider Number: 370005

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.1 years  
Proportion female..... 66.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.5 %  
Admitted for emergency..... 49.2 %

### COMORBIDITIES:

Cancer..... 3.7 %  
Chronic cardiovascular disease..... 33.9 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 19.0 %  
Cerebrovascular degeneration..... 5.3 %  
Diabetes mellitus..... 3.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 92.0%  
State..... 7.0%  
Outside State..... 1.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.7 Days  
State..... 7.6 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 35  
Ownership/Control..... Local Government  
Case Mix Index (CMI)..... 0.9597

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... Yes  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# WETUMKA GENERAL HOSPITAL

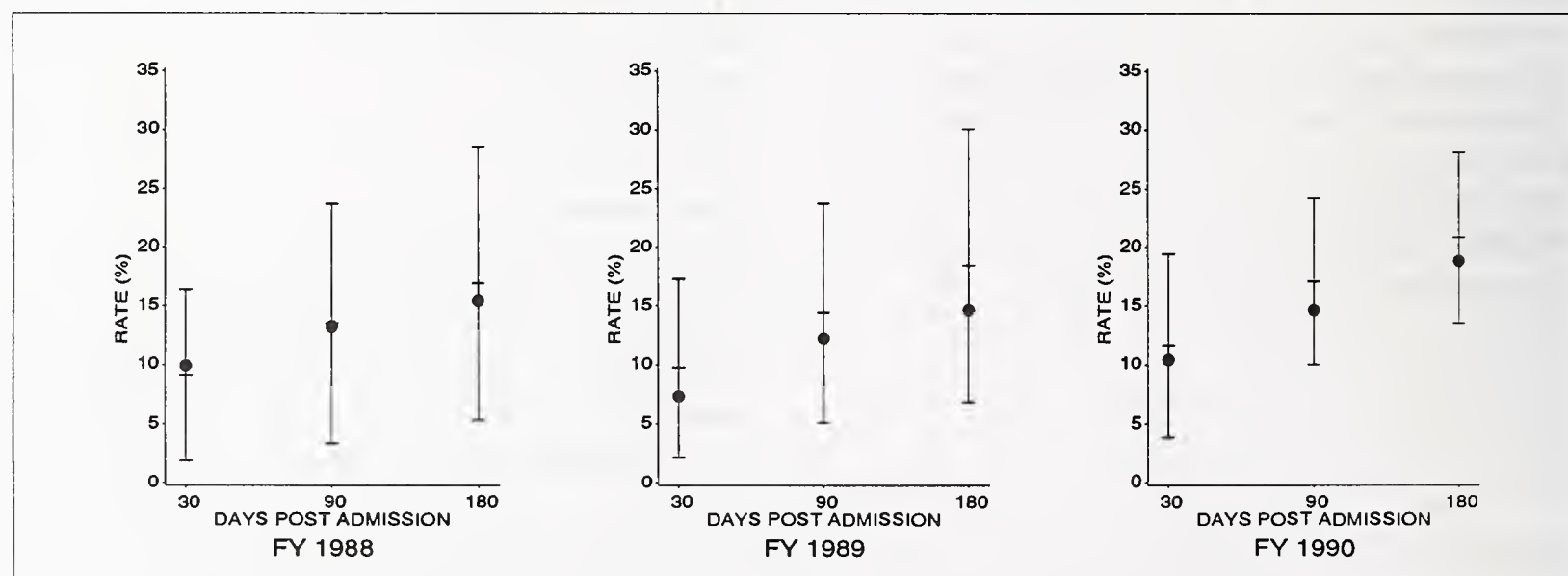
325 S WASHITA  
WETUMKA, OK 74883  
Medicare Provider Number: 370122

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 144                | 10.4                | 11.6 | 3.9   | 14.6    | 17.1 | 3.6   | 18.8     | 20.8 | 3.7   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 50.0                | 39.4 | ----- | 62.5    | 45.1 | ----- | 62.5     | 48.5 | ----- |
| Congestive Heart Failure.....              | 8                  | 0.0                 | 15.8 | ----- | 12.5    | 25.3 | ----- | 12.5     | 32.1 | ----- |
| Pneumonia/Influenza.....                   | 19                 | 21.1                | 12.2 | ----- | 26.3    | 16.8 | ----- | 31.6     | 19.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 6.9  | ----- | 0.0     | 12.3 | ----- | 0.0      | 16.2 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 5                  | 20.0                | 18.2 | ----- | 40.0    | 24.7 | ----- | 40.0     | 28.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2                  | 50.0                | 22.0 | ----- | 50.0    | 26.9 | ----- | 50.0     | 30.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WETUMKA GENERAL HOSPITAL

Medicare Provider Number: 370122

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.0 years  
Proportion female..... 63.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 56.3 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 47.9 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 0.7 %  
Chronic pulmonary disease..... 6.9 %  
Cerebrovascular degeneration..... 2.8 %  
Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.3%  
State ..... 25.7%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 34  
Occupancy Rate ..... 52.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 48.8 %  
Case Mix Index (CMI) ..... 0.9565

### STAFFING:

Total Number of Physicians..... 3  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 10  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WEWOKA MEMORIAL HOSPITAL

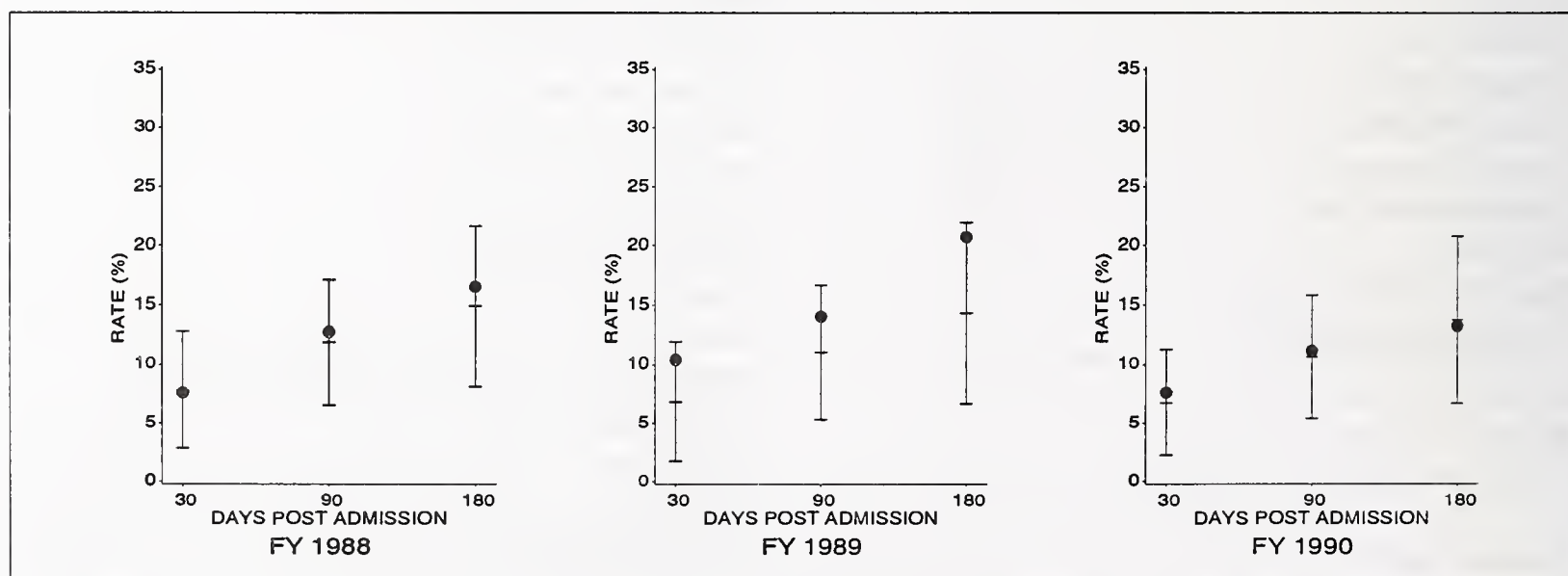
300 E 14TH ST, BOX 1536  
WEWOKA, OK 74884  
Medicare Provider Number: 370050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 144                | 7.6                 | 6.7  | 2.3   | 11.1    | 10.6 | 2.6   | 13.2     | 13.7 | 3.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 20.0                | 21.9 | ----- | 40.0    | 24.5 | ----- | 40.0     | 27.0 | ----- |
| Congestive Heart Failure.....              | 5                  | 20.0                | 12.3 | ----- | 20.0    | 20.5 | ----- | 20.0     | 27.0 | ----- |
| Pneumonia/Influenza.....                   | 10                 | 10.0                | 9.2  | ----- | 10.0    | 12.5 | ----- | 10.0     | 14.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 5.4  | ----- | 0.0     | 10.2 | ----- | 0.0      | 13.6 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 3                  | 0.0                 | 15.0 | ----- | 0.0     | 21.1 | ----- | 33.3     | 25.1 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 7                  | 28.6                | 27.4 | ----- | 28.6    | 34.8 | ----- | 28.6     | 39.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WEWOKA MEMORIAL HOSPITAL

Medicare Provider Number: 370050

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.0 years  
Proportion female..... 56.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.8 %

### COMORBIDITIES:

Cancer..... 1.4 %  
Chronic cardiovascular disease..... 17.4 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 4.2 %  
Chronic pulmonary disease..... 5.6 %  
Cerebrovascular degeneration..... 3.5 %  
Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.3%  
State ..... 13.0%  
Outside State ..... 4.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.6 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 28  
Ownership/Control..... Local Government  
Case Mix Index (CMI) ..... 0.8754

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 5  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# WOODWARD HOSPITAL AND HEALTH CENTER

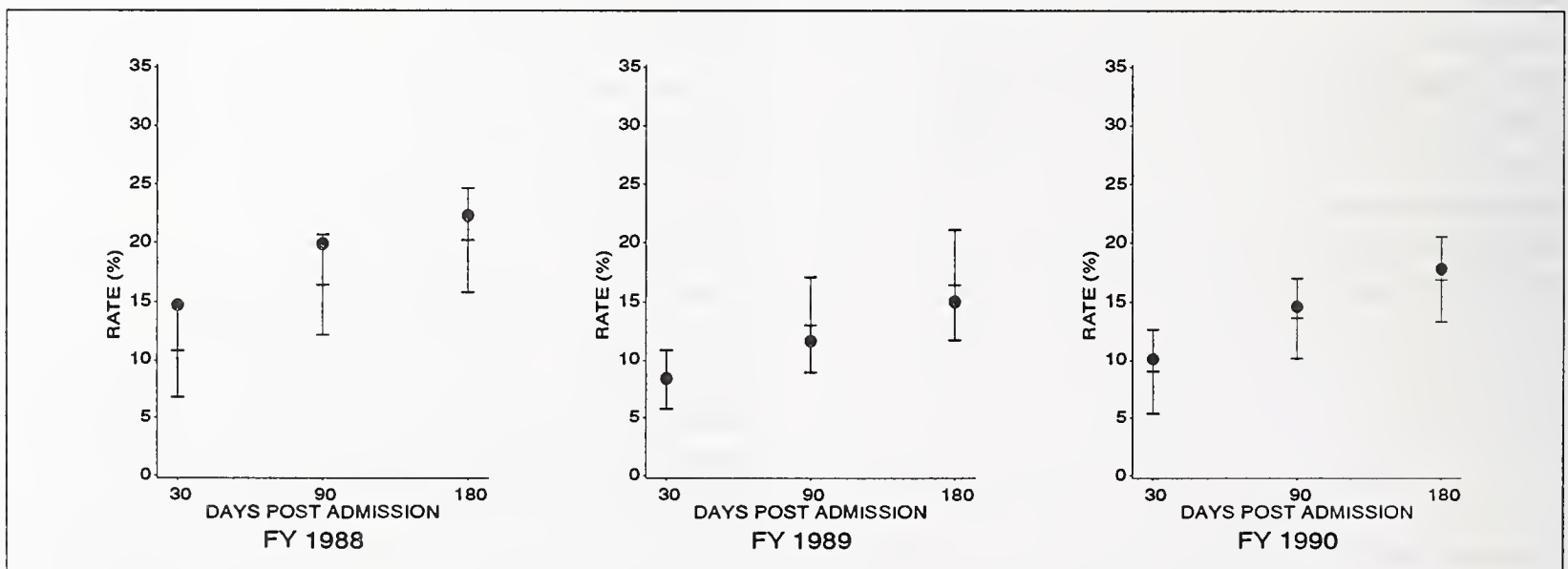
900 17TH ST, BOX 489  
WOODWARD, OK 73802  
Medicare Provider Number: 370002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 506             | 10.1                | 9.0  | 1.8   | 14.6    | 13.6 | 1.7   | 17.8     | 16.9 | 1.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 26.3                | 31.8 | ----- | 36.8    | 34.6 | ----- | 36.8     | 37.2 | ----- |
| Congestive Heart Failure.....              | 36              | 8.3                 | 13.7 | ----- | 13.9    | 21.5 | ----- | 19.4     | 27.2 | ----- |
| Pneumonia/Influenza.....                   | 32              | 18.8                | 12.8 | ----- | 28.1    | 18.3 | ----- | 31.3     | 21.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 9               | 0.0                 | 8.0  | ----- | 0.0     | 13.2 | ----- | 0.0      | 16.7 | ----- |
| Transient Cerebral Ischemia.....           | 15              | 0.0                 | 1.6  | ----- | 6.7     | 3.6  | ----- | 6.7      | 5.9  | ----- |
| Stroke.....                                | 15              | 53.3                | 24.7 | ----- | 53.3    | 32.7 | ----- | 53.3     | 36.3 | ----- |
| Hip Fracture.....                          | 27              | 14.8                | 4.9  | ----- | 18.5    | 8.8  | ----- | 18.5     | 11.8 | ----- |
| Sepsis.....                                | 4               | 50.0                | 25.9 | ----- | 50.0    | 32.3 | ----- | 50.0     | 36.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 1.7  | ----- | 0.0     | 4.1  | ----- | 0.0      | 7.1  | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 2.3  | ----- | 0.0     | 3.8  | ----- | 0.0      | 4.8  | ----- |
| Hip Replacement/Reconstruction.....        | 11              | 9.1                 | 2.7  | ----- | 18.2    | 5.1  | ----- | 18.2     | 7.3  | ----- |
| Open Reduction of Hip Fracture.....        | 18              | 16.7                | 4.9  | ----- | 16.7    | 9.0  | ----- | 16.7     | 12.2 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 13              | 23.1                | 3.2  | ----- | 23.1    | 6.0  | ----- | 23.1     | 7.8  | ----- |
| Hysterectomy.....                          | 3               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WOODWARD HOSPITAL AND HEALTH CENTER

Medicare Provider Number: 370002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 59.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 2.4 %  
Admitted for emergency..... 17.6 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 42.3 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 4.3 %  
Chronic pulmonary disease..... 12.6 %  
Cerebrovascular degeneration..... 4.0 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 68.4%  
State ..... 26.6%  
Outside State ..... 5.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 7.6 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 42  
Occupancy Rate ..... 38.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 45.6 %  
Case Mix Index (CMI) ..... 1.2055

### STAFFING:

Total Number of Physicians..... 15  
Percent of Physicians Board  
Certified Specialists..... 66.7 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 22  
Licensed Practical Nurses..... 34

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OKLAHOMA

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 96,608             | 9.5                 | 8.7  | 0.1 | 14.2    | 13.3 | 0.2 | 17.5     | 16.6 | 0.2 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 3,010              | 28.2                | 25.8 | 1.2 | 32.7    | 29.0 | 1.4 | 35.3     | 31.9 | 1.3 |
| Congestive Heart Failure.....              | 4,469              | 15.4                | 14.3 | 0.6 | 22.9    | 22.7 | 0.6 | 29.0     | 28.9 | 0.8 |
| Pneumonia/Influenza.....                   | 5,354              | 14.5                | 14.1 | 0.7 | 20.5    | 19.7 | 0.9 | 24.7     | 23.3 | 1.1 |
| Chronic Obstructive Pulmonary Disease..... | 1,841              | 8.3                 | 7.9  | 0.8 | 13.5    | 13.9 | 0.9 | 17.9     | 18.4 | 1.1 |
| Transient Cerebral Ischemia.....           | 1,359              | 2.0                 | 1.6  | 0.5 | 4.6     | 3.7  | 0.9 | 7.7      | 6.1  | 1.0 |
| Stroke.....                                | 3,529              | 21.6                | 19.7 | 1.0 | 28.1    | 25.8 | 1.2 | 31.9     | 29.7 | 1.2 |
| Hip Fracture.....                          | 2,566              | 6.3                 | 6.1  | 0.6 | 11.3    | 10.9 | 0.7 | 14.3     | 14.3 | 0.7 |
| Sepsis.....                                | 1,087              | 29.2                | 25.0 | 1.8 | 37.6    | 33.3 | 2.0 | 42.4     | 38.2 | 2.1 |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 964                | 3.3                 | 3.1  | 0.6 | 4.4     | 4.0  | 0.7 | 5.2      | 4.9  | 0.7 |
| Coronary Artery Bypass Graft.....          | 1,117              | 7.5                 | 5.4  | 1.4 | 10.0    | 7.6  | 1.5 | 11.0     | 8.6  | 1.6 |
| Initial Pacemaker Insertion.....           | 694                | 2.9                 | 3.1  | 1.0 | 7.2     | 6.0  | 1.4 | 9.7      | 8.8  | 1.3 |
| Carotid Endarterectomy.....                | 285                | 0.4                 | 1.6  | 1.0 | 1.4     | 3.0  | 1.5 | 2.1      | 4.4  | 1.8 |
| Hip Replacement/Reconstruction.....        | 1,919              | 3.0                 | 3.2  | 0.7 | 6.6     | 6.0  | 0.7 | 8.2      | 8.1  | 0.7 |
| Open Reduction of Hip Fracture.....        | 1,197              | 5.5                 | 5.7  | 0.8 | 9.6     | 10.5 | 1.2 | 13.2     | 13.9 | 1.3 |
| Prostatectomy.....                         | 3,052              | 1.1                 | 0.9  | 0.2 | 2.8     | 2.2  | 0.5 | 4.1      | 3.7  | 0.4 |
| Cholecystectomy.....                       | 2,183              | 3.7                 | 2.5  | 0.6 | 5.4     | 4.5  | 0.6 | 7.0      | 6.1  | 0.6 |
| Hysterectomy.....                          | 775                | 1.2                 | 0.7  | 0.8 | 1.7     | 1.6  | 0.9 | 2.3      | 2.5  | 0.9 |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
| Average age at admission.....                  | 74.8 years | Cancer.....                         | 6.9 %  |
| Proportion female.....                         | 57.7 %     | Chronic cardiovascular disease..... | 34.2 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 0.7 %  |
| Referred by personal or HMO physician.....     | 57.4 %     | Chronic renal disease.....          | 2.9 %  |
| Transferred from skilled nursing facility..... | 0.2 %      | Chronic pulmonary disease.....      | 14.9 % |
| Admitted for elective procedure.....           | 21.2 %     | Cerebrovascular degeneration.....   | 4.1 %  |
| Admitted for emergency.....                    | 34.3 %     | Diabetes mellitus.....              | 7.4 %  |



# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 6,542,299          | 9.0                 | 9.0  | ---- | 13.9    | 13.7 | ---- | 17.3     | 17.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 204,673            | 25.3                | 25.6 | ---- | 29.5    | 28.7 | ---- | 32.1     | 31.4 | ---- |
| Congestive Heart Failure.....              | 335,426            | 14.3                | 14.4 | ---- | 22.9    | 22.8 | ---- | 29.2     | 29.0 | ---- |
| Pneumonia/Influenza.....                   | 313,303            | 15.3                | 15.5 | ---- | 21.5    | 21.3 | ---- | 25.5     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 107,387            | 8.0                 | 8.0  | ---- | 14.1    | 14.0 | ---- | 18.7     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 96,866             | 1.8                 | 1.8  | ---- | 4.0     | 4.0  | ---- | 6.4      | 6.5  | ---- |
| Stroke.....                                | 241,803            | 19.7                | 19.8 | ---- | 26.5    | 26.3 | ---- | 30.4     | 30.0 | ---- |
| Hip Fracture.....                          | 163,386            | 6.7                 | 6.5  | ---- | 11.7    | 11.5 | ---- | 15.1     | 15.0 | ---- |
| Sepsis.....                                | 80,999             | 25.6                | 25.7 | ---- | 34.6    | 33.8 | ---- | 39.8     | 38.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58,026             | 3.0                 | 3.0  | ---- | 4.0     | 4.0  | ---- | 5.0      | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 80,798             | 6.0                 | 5.7  | ---- | 8.3     | 8.1  | ---- | 9.5      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 49,642             | 3.2                 | 3.3  | ---- | 6.5     | 6.3  | ---- | 9.1      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 29,990             | 1.6                 | 1.5  | ---- | 2.8     | 2.8  | ---- | 4.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 122,156            | 3.4                 | 3.2  | ---- | 6.2     | 5.9  | ---- | 8.1      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 80,075             | 6.1                 | 6.0  | ---- | 11.2    | 11.0 | ---- | 14.5     | 14.5 | ---- |
| Prostatectomy.....                         | 211,087            | 0.9                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 3.7      | 3.8  | ---- |
| Cholecystectomy.....                       | 124,259            | 2.9                 | 2.7  | ---- | 5.0     | 4.9  | ---- | 6.5      | 6.5  | ---- |
| Hysterectomy.....                          | 53,905             | 0.7                 | 0.7  | ---- | 1.4     | 1.5  | ---- | 2.2      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.1 years |
| Proportion female.....        | 55.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 46.1 % |
| Transferred from skilled nursing facility..... | 1.1 %  |
| Admitted for elective procedure.....           | 22.0 % |
| Admitted for emergency.....                    | 46.5 % |

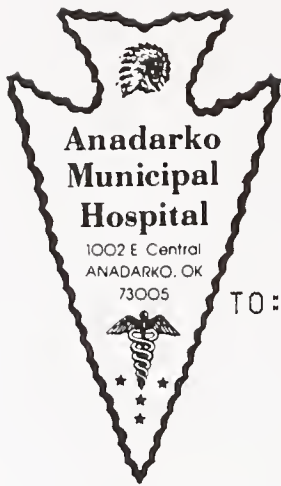
### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 36.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.4 %  |
| Chronic pulmonary disease.....      | 15.0 % |
| Cerebrovascular degeneration.....   | 3.9 %  |
| Diabetes mellitus.....              | 8.0 %  |



# **Hospital Comments**





370038

TO: Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administrator  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

FROM: Jack D. Martin  
Hospital Administrator  
Anadarko Municipal Hospital

DATE: March 17, 1992

Upon receiving the data from HCFA regarding the mortality information for Medicare admissions for the Fiscal Year 1990, the following information was verified to ensure these patients were admitted to the Anadarko Municipal Hospital: Patient name, medicare number, age, sex, dates of admission/discharge/death and principal diagnosis and procedure.

A total of forty-eight (48) deaths were identified based on the information that was received. In reviewing the records of these patients, it was noted that twenty-eight (28) patients actually expired at our hospital and twenty (20) patients expired after discharge from our hospital.

In reviewing the data received, the diagnostic category "Congestive Heart Failure" fell outside the range of the predicted mortality rate. Twenty (20) cases were listed under this category and of these cases it identified seven (7) deaths and thirteen (13) discharges. Following a review of the seven deaths, our records indicate there were only three (3) patients that expired at our hospital under this category. All three deaths were over the age of 83 and noted to have other conditions that could have contributed to the outcome. The other four (4) patients expired sometime after discharge from our facility.

The other diagnostic category that fell outside the range of the predicted mortality rate was "Stroke". Five (5) cases were identified under this category, listing two (2) deaths and three (3) discharges. Following a review of the two (2) deaths, it was noted that one of the patients had co-existing conditions that could have contributed to the death and the other patient did not have any other conditions listed, but was received in the Emergency Room in a comatose state and expired twenty-four hours later. Both patients were age 85.

(Continued next page)

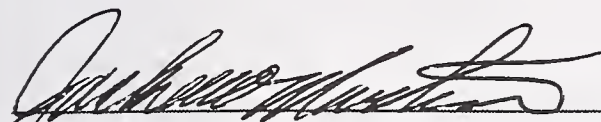


370038

PAGE TWO.

When reviewing the records of those patients who expired at our facility, it was noted that 43% of the patients came from a nursing home, 75% of the patients were between the ages of 55 and 106 with 75% over the age of 79.

The hospital's records indicate there were 384 Medicare admissions (362-acute, 22-swing bed) for the fiscal year 1990, 220 cases were reported in the various diagnostic categories as submitted by HCFA representing only 57% of the total Medicare admissions for the fiscal year 1990. Furthermore, based on the 384 Medicare admissions and forty-eight (48) deaths overall, including those deaths which did not occur at the Anadarko Municipal Hospital, a death rate of 12.5% is reported. A death rate of 7.3% is reported when including the twenty-eight (28) deaths that occurred at the Anadarko Municipal Hospital and excluding the twenty (20) deaths that occurred elsewhere.

  
JACK D. MARTIN, HOSPITAL ADMINISTRATOR  
ANADARKO MUNICIPAL HOSPITAL



# Deaconess Hospital

5501 N. Portland, Oklahoma City, OK 73112-2097, (405) 946-5581

March 17, 1992

Provider #370032

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

ATTN: Robert Moore

To Whom It May Concern:

Deaconess Hospital submits this information to help inform the public regarding recently released mortality data from the Health Care Financing Administration (HCFA). Without this additional information, consumers may be misled by the HCFA data, since these statistics fail to take into consideration many factors that could account for a patient's death.

During HCFA's 1990 fiscal year, 3,061 Medicare patients were admitted to Deaconess. HCFA used only 2,372 patients in its statistical calculations. Of these 689 "unaccounted for" patients, some may have been readmitted to other hospitals. Certainly, Deaconess Hospital should not be held accountable for outcomes which resulted from care received at other hospitals.

More than 77 percent of all deaths attributed to Deaconess Hospital occurred after patients were discharged from the hospital. Fifty of these deaths occurred at least six months after the patients left Deaconess. In several cases, deaths attributed to Deaconess occurred some 11 months after the patient left the hospital.

The overall average age of Medicare patients who died at Deaconess was 81 years, 6 months. The average life expectancy in the United States is 71 years for men and 78 years for women. Obviously, age is a key factor in a person's ability to recover from a medical disease or disorder.

The 19-page HCFA statistical formula and instructions used to determine a hospital's rating in the "All Causes" category includes an incredible number of variables and possibilities which makes it very difficult for even the most knowledgeable statistician to interpret.

*A Ministry of the Free Methodist Church of North America*

**VHA**

Member of Voluntary Hospitals of America, Inc.



One thing which is obvious is the variety of elements which are not considered in this rating. These crucial factors include:


- the extent and quality of care received by patients after their hospital stays
- requests by seriously ill patients that no unusual life-sustaining measures be taken (done through Directives to Physicians and/or Living Wills, also known as "Do Not Resuscitate" orders)
- causes of death which may be totally unrelated to the patient's reason for hospitalization
- patients' overall health habits and lifestyle behaviors which affect their ability to regain health

Because of the above factors, it is Deaconess' position that consumers should not use the HCFA data as an authoritative source for choosing a hospital, comparing hospitals, or evaluating quality of care provided by a hospital.

Deaconess Hospital along with its medical staff has a process for reviewing medical records for quality of care. This process occurs at a variety of levels, is based upon pre-determined criteria, and encompasses both random selections as well as sentinel events (for example, the review of every death which occurs during hospitalization). This mechanism assists us in continually monitoring and improving the quality of care.

Deaconess Hospital provides a number of high risk medical and surgical procedures, including open heart surgery, cancer treatment and emergency services. Our standards for excellence and high quality health care lead many patients to return to the hospital each time they need care. This quality care delivered with comfort and compassion also leads many families to request Deaconess for their loved ones who are seriously or terminally ill.

Sincerely,



John P. Ellis  
Administrator

# *Grand Valley Hospital*

*W. Charles Jordan*  
Administrator

37-0015

P. O. Box 278

Pryor, Oklahoma 74362

918/825-1600

March 13, 1992

Health Care Financing Administration  
Medicare Hospital Administration  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attn: Mr. Robert Moore

Dear Mr. Moore:

Grand Valley Hospital is a licensed 84 bed, not-for-profit acute care hospital. It is the designated rural health care provider located in a community approximately 40 miles from a large metropolitan area.

Health care services provided to the community by Grand Valley Hospital including Acute Medical/Surgical Care with a Swing Bed Program, Ambulatory Care (one-day Medical/Surgical procedures), O.B. Services, 24 hour physician staffed Emergency Department, Oncology Department, and a Hospital based Home Health Care Agency. The active Medical Staff is composed of (12) members, all certified to a Board Specialty.

These services are provided to demonstrate this Rural Hospital's intent to meet the Communities health care needs with quality services.

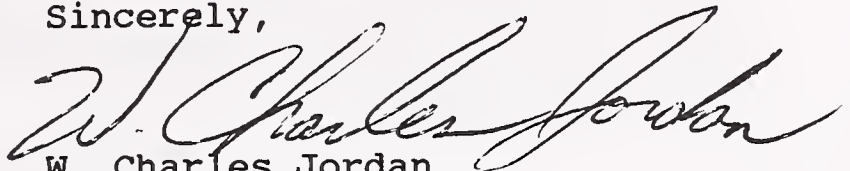
The hospital Medicare Occupancy for 1990 was 62% with the Medicare Recipients average age at admission being 78 years. The service area includes (6) Nursing Homes with approximately 300 residents. These statistics are indicative of an older populace. with much chronic disease requiring prolonged and intense medical care.

The Medicare Hospital Mortality information released by HCFA provides to the public statistical data. It is extremely difficult to measure by statistics the severity of illness due to individual risk factors. As noted by HCFA, the precision and interpretability of data provided is questionable when the number of cases are small as in the case at Grand Valley Hospital and many small rural hospitals.

Grand Valley Hospital is medicare approved and accredited by the Joint Commission of Healthcare Organizations (JCAHO). These agencies provide external Peer Review on a continuous basis. The hospital and medical staff are committed to a program of continuous quality improvement.

HCFA has chosen to monitor and report mortality variance to the public. This is a very complex undertaking. We offer our services and cooperation that the public may better understand the committment we have to quality patient care.

Sincerely,

A handwritten signature in cursive script, reading "W. Charles Jordan". The signature is written in dark ink and is positioned above the printed name and title.

W. Charles Jordan  
Administrator

WCJ/lis





# Hillcrest Medical Center

---

March 17, 1992

Medicare Provider  
# 370001

Gail R. Wilensky, Ph.H.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Dear Dr. Wilensky,

In response to the recent release of the HCFA Mortality data, I must respond to a number of significant errors noted in the data specifically related to the increased mortality rates in Angioplasty and Coronary Artery Bypass Graft.

The data as presented presents an inflated and erroneous mortality rate for these specific procedures. The Angioplasty mortality rate, according to the HCFA report, includes only 56% of the procedures performed at Hillcrest Medical Center in the Medicare population during 1990. (Total number of cases recorded by HCFA = 122, Hillcrest Medical Center = 217)

Coronary Artery Bypass Graft surgery, according to the HCFA report, includes only 59% of the Medicare population receiving Bypass surgery at Hillcrest Medical Center during 1990. (Total number of cases recorded by HCFA = 95, Hillcrest Medical Center = 160)

Data compiled in this manner drastically inflates the specific mortality rates and creates a negative image for these programs. Publishing erroneous data handicaps the public in their ability to make informed decisions about their health care.

Sincerely,

John Goldthorpe, President  
Hillcrest Medical Center



Medicare Provider No.  
370078

March 19, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration ("HCFA")  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

VIA OVERNIGHT MAIL

ATTN: Robert Moore

RE: Official Comments to HCFA 1990 Mortality Data

Dear Dr. Wilensky:

Tulsa Regional Medical Center ("TRMC") is a health care facility firmly committed to the principle of medical excellence. The quality of medical care provided by TRMC cannot realistically or objectively be measured by the model variables currently employed by HCFA to assess hospital mortality rates. While TRMC acknowledges the potential value of statistical information to assist patients in making informed health care decisions, the model HCFA uses to evaluate predicted and observed mortality rates is fundamentally flawed and does not present an accurate reflection of the quality of care furnished by TRMC. The mortality profile of TRMC is not an indication of inadequate medical care, but is instead a reflection of the unique patient population served by TRMC. Unfortunately, the HCFA model, in its present form, does not adequately address the atypical characteristics of patients treated by TRMC.

The data to be published by HCFA contains significant errors in the number of patients treated by TRMC who died within 180 days of discharge. Of the 685 patients reported by HCFA to be mortalities within 180 days of the HCFA event, 49 of these patients fell outside of the 180 day time frame. Consequently, HCFA will publish data to the public which contains an overall error rate of approximately 7%. Given the limited amount of time TRMC has to respond to HCFA's report, TRMC has been unable to recalculate the observed mortality rates to take into consideration the information erroneously presented as to the 49 patients. Needless to say, the consumer of medical services cannot be aided by a report which contains fundamental errors in information.

Prevalent among the flaws of the HCFA model is that no adjustment is provided for hospitals that treat patients from a non-skilled nursing facility. TRMC research into its patient mortality reveals that a high percentage of the deaths were patients from intermediate care facility nursing home patients admitted to our institution. TRMC staff physicians cover 1000 of the 3000 nursing home patients in the service area of TRMC. TRMC staff physicians comprise only 15%



of the physicians in the service area which means that TRMC is receiving approximately twice the rate of nursing home patients in our service area. The remaining nursing home patients are spread among four other medical institutions in the community of Tulsa. The nursing home patients treated at TRMC had an average age of eighty-five (85) and most, if not all of these patients, were severely ill at the time of their admission to TRMC. Nursing home patients accounted for over 1/3 of our observed mortality.

Unfortunately, nursing home patients tend to be older and in poorer health than the balance of the Medicare Population. Rather than being commended, the HCFA model penalizes the staff physicians of TRMC for their willingness to provide care to those patients most in need of medical care. Obviously, a hospital with the highest proportion of severely ill patients will have higher mortality rates.

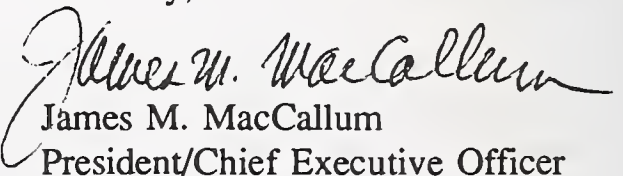
Data from the National Center for Health Statistics indicate that mortality among nursing home residents transferred to another facility (nearly always a hospital) is 20%, while the inpatient mortality rate for all Medicare hospitalizations is 6.5%, and nursing home residents are much more likely than nonresidents to be admitted with a DNR order.

Green, J.; Passman, L.J.; Wintfeld, N. Analyzing Hospital Mortality. JAMA 1991; 265:1849-53.

The variables presently employed by HCFA do not even remotely address the nursing home patient population of TRMC which denies TRMC the opportunity to present normal range mortality rates. The statistics which are allegedly employed to measure effectiveness of patient care must be modified to account for the disproportionate number of nursing home patients seen by TRMC.

TRMC does not believe HCFA's report is an accurate reflection of the quality of care provided by its health care professionals. TRMC provides quality medical care which is not reflected by HCFA's biased mortality profile because of errors in reporting and insufficient adjustments for diversity in patient mix. In its present form, the HCFA mortality report is not only of minimal value in the selection of a health care facility, it is likely to be misleading in that it fails to take into consideration the outstanding efforts of institutions such as TRMC to provide compassionate care to those who are most in need of medical care.

Sincerely,

  
James M. MacCallum  
President/Chief Executive Officer









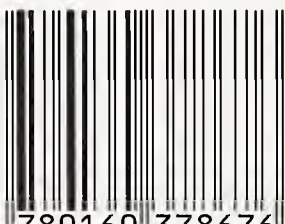


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